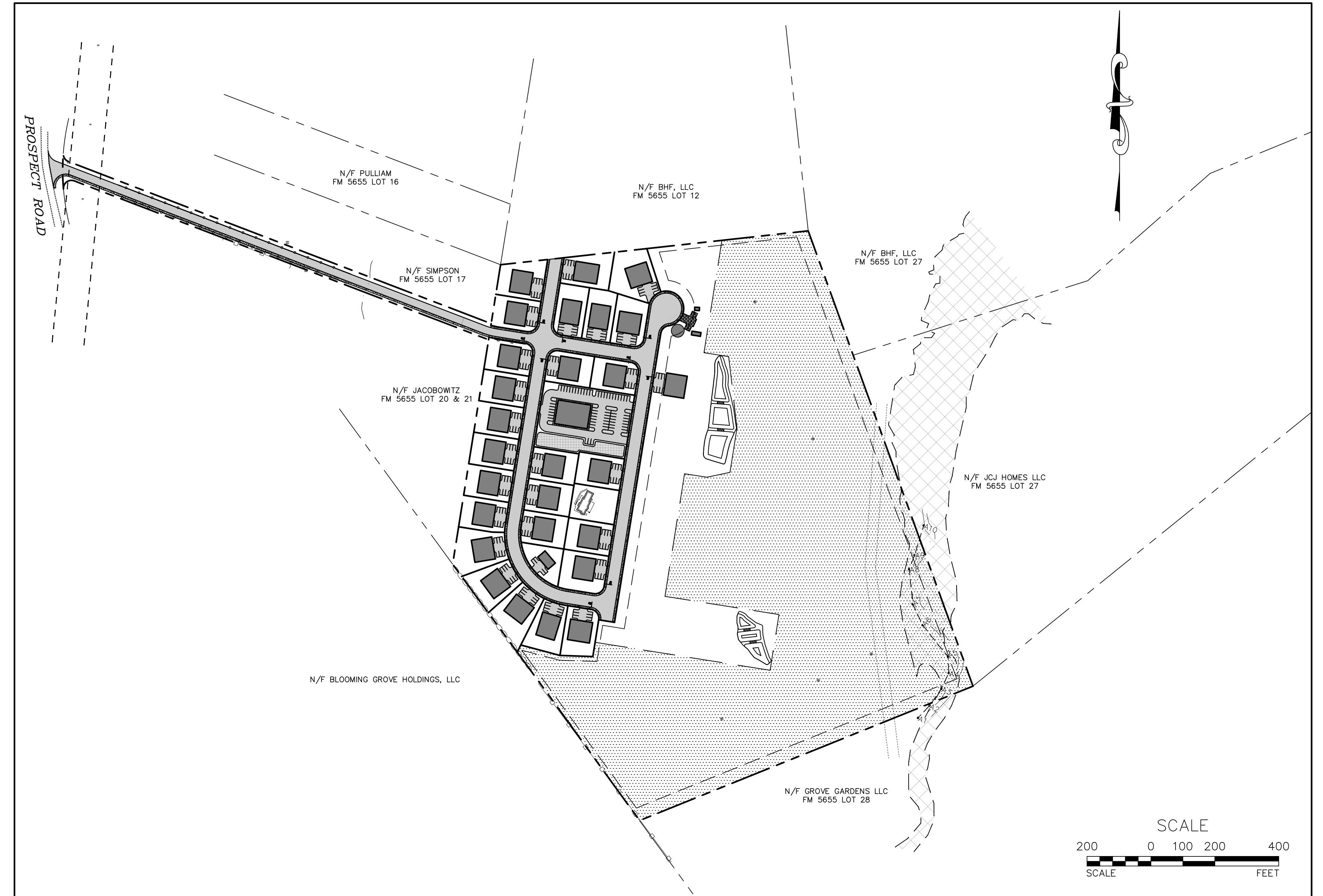


# SITE PLAN & SUBDIVISION FOR VALLEY HEIGHTS VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, NY



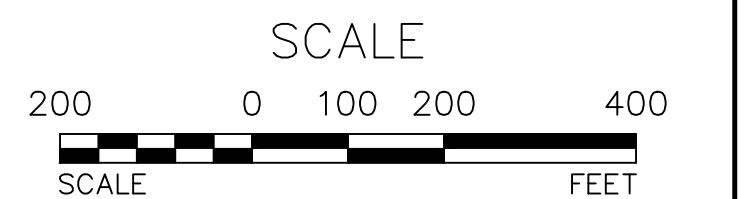
**LOCATION MAP**

SCALE: 1"=400'



**TITLE SHEET**

SCALE: 1"=200'



**GENERAL NOTES:**

1. RECORD OWNER AND APPLICANT:  
BG HOLDINGS NY 3 LLC  
201 PROSPECT ROAD  
MONROE, NY 10950
2. TAX MAP NUMBER:  
VILLAGE OF SOUTH BLOOMING GROVE:  
SECTION 202 BLOCK 1 LOTS 11, 12
3. DEED REFERENCE:  
LIBER 14971 PAGE 1399
4. AREAS:  
SECTION 202 BLOCK 1 LOTS 11: 21.3 ACRES  
SECTION 202 BLOCK 1 LOTS 12: 27.4 ACRES  
TOTAL: 48.7 ACRES
5. REFERENCES:  
THE EXISTING CONDITIONS INFORMATION, PROPERTY BOUNDARY & TOPOGRAPHY SHOWN ON THESE PLANS HAS BEEN TAKEN FROM A SURVEY PREPARED BY EDWARD T. GANNON, PLS.

**DRAWING LIST**

SHEET #	SHEET TITLE	ORIGINAL DATE / LAST REVISED DATE
01 OF 29	TITLE SHEET	01-14-25 /
02 OF 29	EXISTING CONDITIONS PLAN	01-14-25 /
03 OF 29	SLOPE ANALYSIS	01-14-25 /
04 OF 29	SUBDIVISION OVERALL PLAN	01-14-25 /
05 OF 29	SUBDIVISION PLAN 01	01-14-25 /
06 OF 29	SUBDIVISION PLAN 02	01-14-25 /
07 OF 29	GRADING & UTILITY OVERALL PLAN	01-14-25 /
08 OF 29	GRADING PLAN 01	01-14-25 /
09 OF 29	GRADING PLAN 02	01-14-25 /
10 OF 29	GRADING PLAN 03	01-14-25 /
11 OF 29	UTILITY PLAN 01	01-14-25 /
12 OF 29	UTILITY PLAN 02	01-14-25 /
13 OF 29	UTILITY PLAN 03	01-14-25 /
14 OF 29	DRAINAGE PROFILE 01	01-14-25 /
15 OF 29	DRAINAGE PROFILE 02	01-14-25 /
16 OF 29	DRAINAGE PROFILE 03	01-14-25 /
17 OF 29	DRAINAGE PROFILE 04	01-14-25 /
18 OF 29	DRAINAGE PROFILE 05	01-14-25 /
19 OF 29	SEWER PROFILE 01	01-14-25 /
20 OF 29	SEWER PROFILE 02	01-14-25 /
21 OF 29	SEWER PROFILE 03	01-14-25 /
22 OF 29	DRIVEWAY PROFILE 01	01-14-25 /
23 OF 29	DRIVEWAY PROFILE 02	01-14-25 /
24 OF 29	EROSION AND SEDIMENT CONTROL PLAN	01-14-25 /
25 OF 29	EROSION AND SEDIMENT CONTROL DETAILS	01-14-25 /
26 OF 29	CONSTRUCTION DETAILS	01-14-25 /
27 OF 29	WATER SUPPLY DETAILS	01-14-25 /
28 OF 29	SEWAGE DISPOSAL DETAILS	01-14-25 /
29 OF 29	STORMWATER DETAILS	01-14-25 /

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

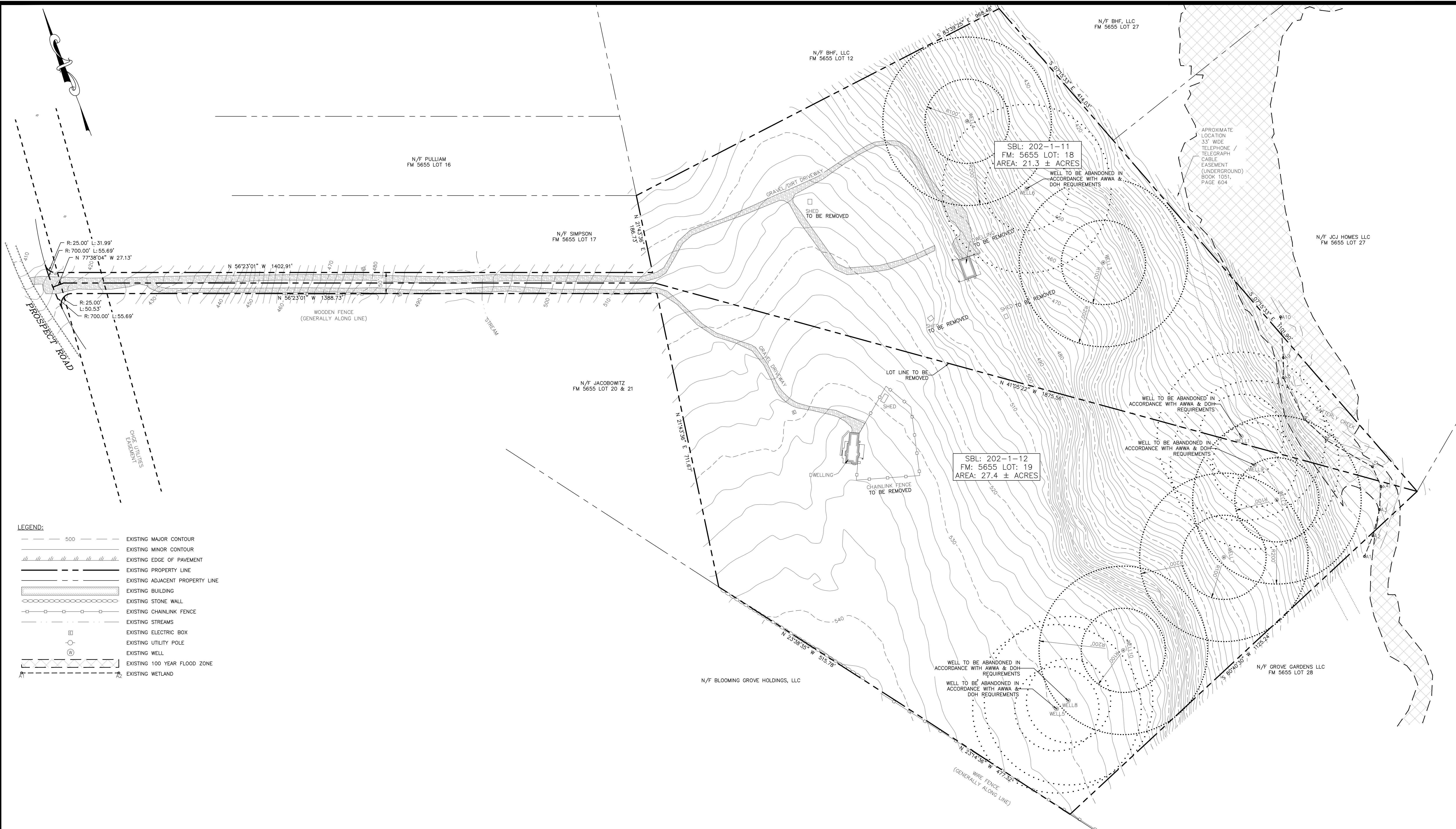
**TITLE SHEET**

JOB#: 22-033  
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DATE: 01-14-25  
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CHECKED: MM  
SHEET NO. 01 of 29

REV.	BY	DATE	DESCRIPTION

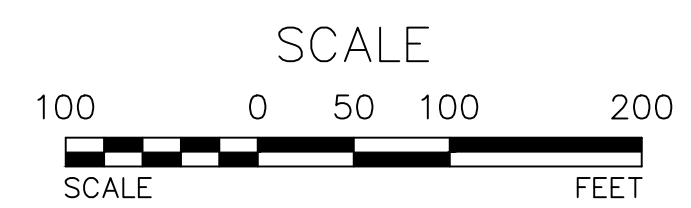
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LIC. NO. 78577



- LEGEND:**
- 500 --- EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - /// EXISTING EDGE OF PAVEMENT
  - EXISTING PROPERTY LINE
  - EXISTING ADJACENT PROPERTY LINE
  - ▭ EXISTING BUILDING
  - EXISTING STONE WALL
  - EXISTING CHAINLINK FENCE
  - EXISTING STREAMS
  - EXISTING ELECTRIC BOX
  - EXISTING UTILITY POLE
  - ⊙ EXISTING WELL
  - EXISTING 100 YEAR FLOOD ZONE
  - EXISTING WETLAND

EXISTING CONDITIONS PLAN  
SCALE: 1"=100'



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ORANGE COUNTY, NY

**EXISTING CONDITIONS PLAN**

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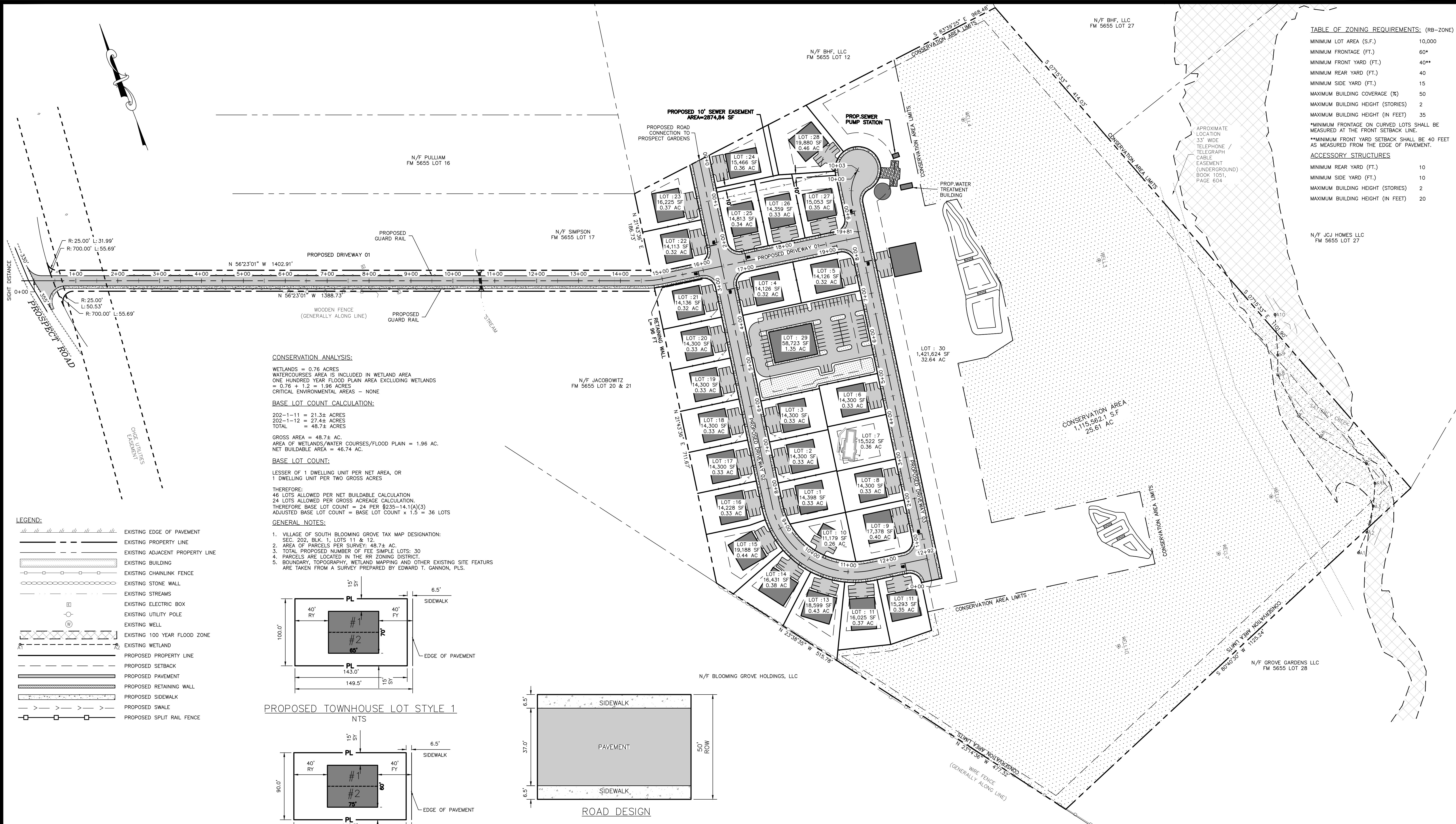
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**TABLE OF ZONING REQUIREMENTS: (RB-ZONE)**

MINIMUM LOT AREA (S.F.)	10,000
MINIMUM FRONTAGE (FT.)	60*
MINIMUM FRONT YARD (FT.)	40**
MINIMUM REAR YARD (FT.)	40
MINIMUM SIDE YARD (FT.)	15
MAXIMUM BUILDING COVERAGE (%)	50
MAXIMUM BUILDING HEIGHT (STORIES)	2
MAXIMUM BUILDING HEIGHT (IN FEET)	35
*MINIMUM FRONTAGE ON CURVED LOTS SHALL BE MEASURED AT THE FRONT SETBACK LINE.	
**MINIMUM FRONT YARD SETBACK SHALL BE 40 FEET AS MEASURED FROM THE EDGE OF PAVEMENT.	
<b>ACCESSORY STRUCTURES</b>	
MINIMUM REAR YARD (FT.)	10
MINIMUM SIDE YARD (FT.)	10
MAXIMUM BUILDING HEIGHT (STORIES)	2
MAXIMUM BUILDING HEIGHT (IN FEET)	20



**CONSERVATION ANALYSIS:**  
 WETLANDS = 0.76 ACRES  
 WATERCOURSES AREA IS INCLUDED IN WETLAND AREA  
 ONE HUNDRED YEAR FLOOD PLAIN AREA EXCLUDING WETLANDS = 0.76 + 1.2 = 1.96 ACRES  
 CRITICAL ENVIRONMENTAL AREAS - NONE

**BASE LOT COUNT CALCULATION:**  
 202-1-11 = 21.3± ACRES  
 202-1-12 = 27.4± ACRES  
 TOTAL = 48.7± ACRES

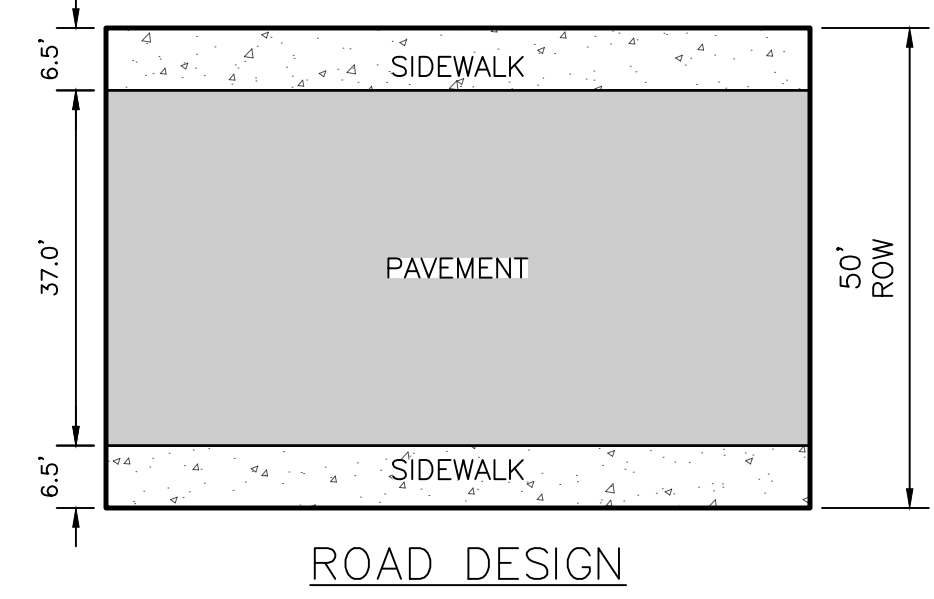
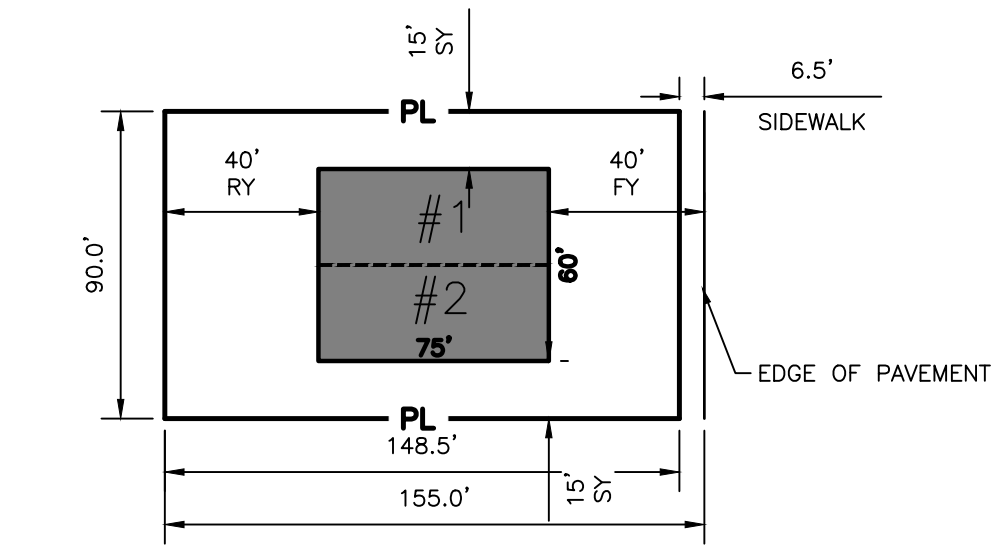
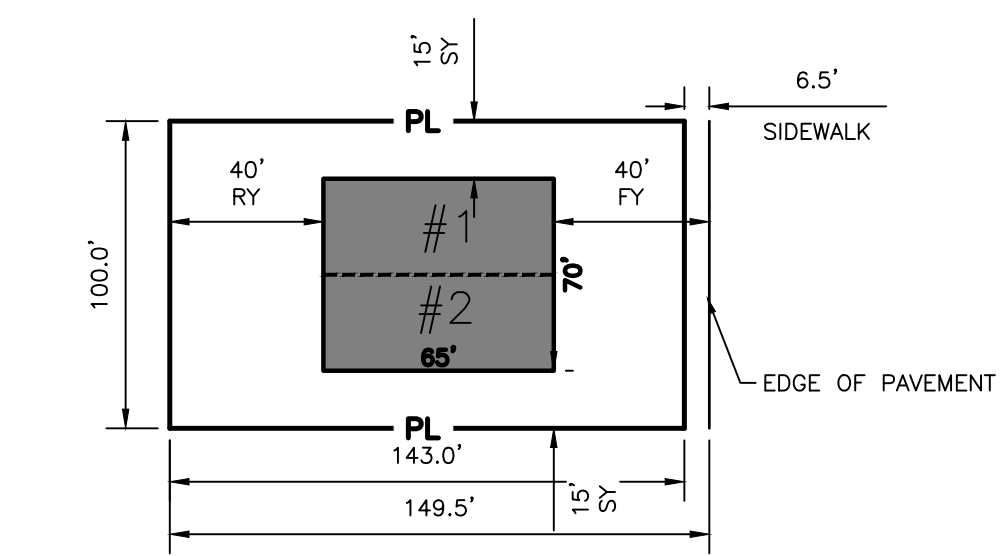
GROSS AREA = 48.7± AC.  
 AREA OF WETLANDS/WATER COURSES/FLOOD PLAIN = 1.96 AC.  
 NET BUILDABLE AREA = 46.74 AC.

**BASE LOT COUNT:**  
 LESSER OF 1 DWELLING UNIT PER NET AREA, OR  
 1 DWELLING UNIT PER TWO GROSS ACRES

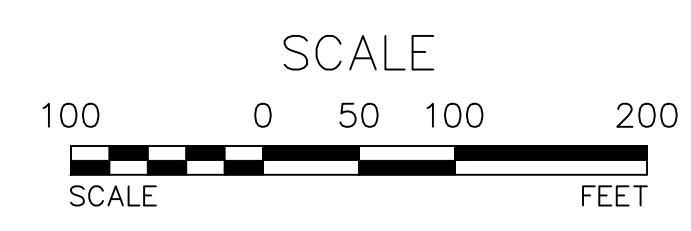
THEREFORE:  
 46 LOTS ALLOWED PER NET BUILDABLE CALCULATION  
 24 LOTS ALLOWED PER GROSS ACREAGE CALCULATION.  
 THEREFORE BASE LOT COUNT = 24 PER §235-14.1(A)(3)  
 ADJUSTED BASE LOT COUNT = BASE LOT COUNT x 1.5 = 36 LOTS

**GENERAL NOTES:**  
 1. VILLAGE OF SOUTH BLOOMING GROVE TAX MAP DESIGNATION: SEC. 202, BLK. 1, LOTS 11 & 12.  
 2. AREA OF PARCELS PER SURVEY: 48.7± AC.  
 3. TOTAL PROPOSED NUMBER OF FEE SIMPLE LOTS: 30  
 4. PARCELS ARE LOCATED IN THE RR ZONING DISTRICT.  
 5. BOUNDARY, TOPOGRAPHY, WETLAND MAPPING AND OTHER EXISTING SITE FEATURES ARE TAKEN FROM A SURVEY PREPARED BY EDWARD T. GANNON, PLS.

- LEGEND:**
- EXISTING EDGE OF PAVEMENT
  - EXISTING PROPERTY LINE
  - EXISTING ADJACENT PROPERTY LINE
  - EXISTING BUILDING
  - EXISTING CHAINLINK FENCE
  - EXISTING STONE WALL
  - EXISTING STREAMS
  - EXISTING ELECTRIC BOX
  - EXISTING UTILITY POLE
  - EXISTING WELL
  - EXISTING 100 YEAR FLOOD ZONE
  - EXISTING WETLAND
  - PROPOSED PROPERTY LINE
  - PROPOSED SETBACK
  - PROPOSED PAVEMENT
  - PROPOSED RETAINING WALL
  - PROPOSED SIDEWALK
  - PROPOSED SWALE
  - PROPOSED SPLIT RAIL FENCE



**SUBDIVISION OVERALL PLAN**  
 SCALE: 1"=100'



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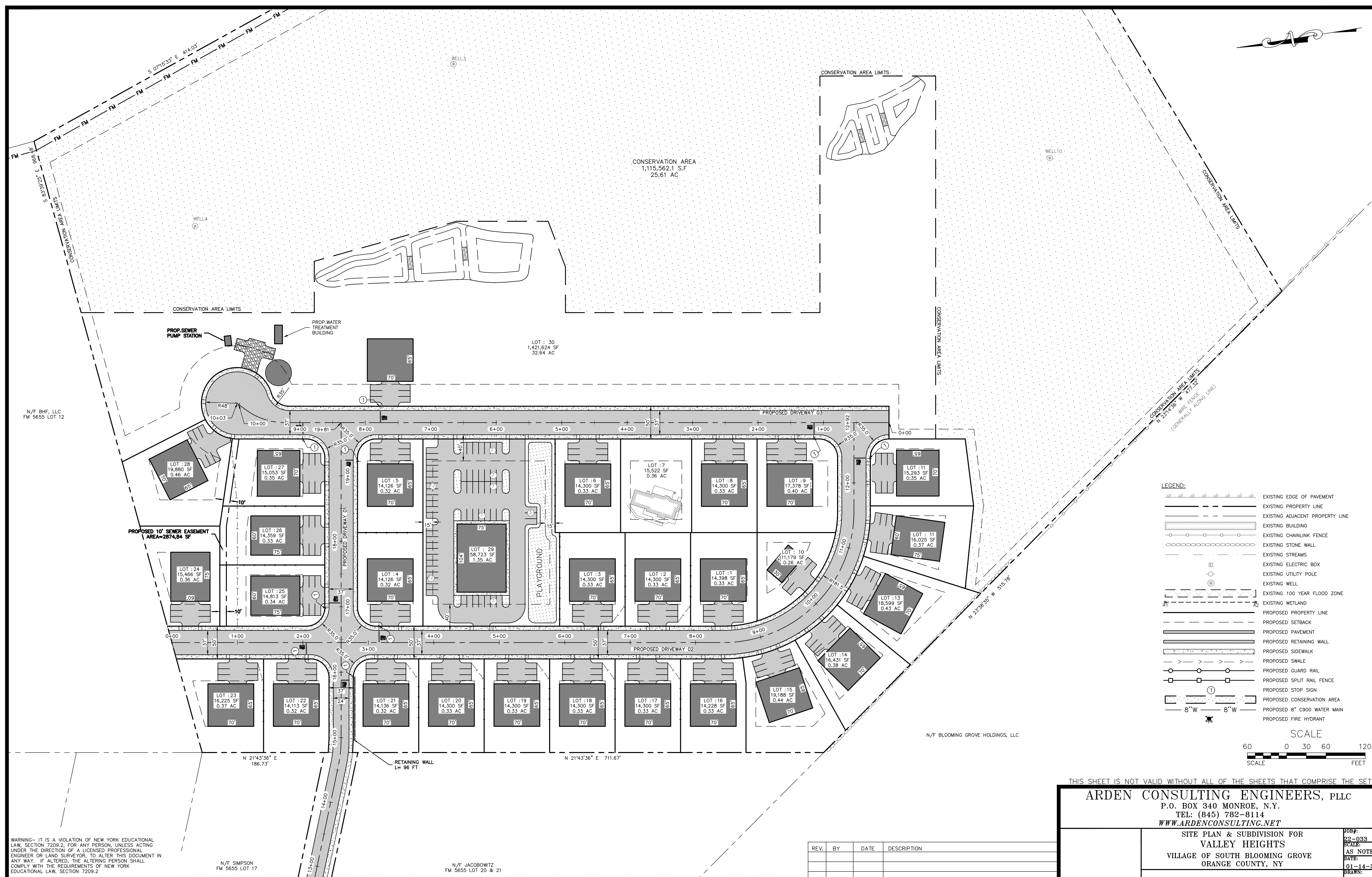
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 ORANGE COUNTY, NY

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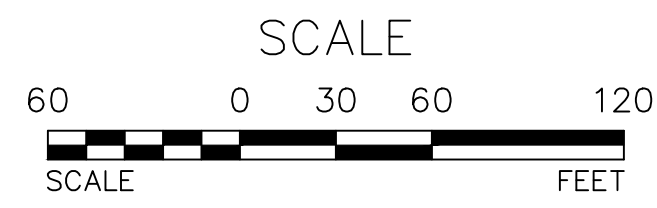
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 LIC. NO. 78577

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- LEGEND:**
- EXISTING EDGE OF PAVEMENT
  - EXISTING PROPERTY LINE
  - EXISTING ADJACENT PROPERTY LINE
  - EXISTING BUILDING
  - EXISTING CHAINLINK FENCE
  - EXISTING STONE WALL
  - EXISTING STREAMS
  - EXISTING ELECTRIC BOX
  - EXISTING UTILITY POLE
  - EXISTING WELL
  - EXISTING 100 YEAR FLOOD ZONE
  - EXISTING WETLAND
  - PROPOSED PROPERTY LINE
  - PROPOSED SETBACK
  - PROPOSED PAVEMENT
  - PROPOSED RETAINING WALL
  - PROPOSED SIDEWALK
  - PROPOSED SWALE
  - PROPOSED GUARD RAIL
  - PROPOSED SPLIT RAIL FENCE
  - PROPOSED STOP SIGN
  - PROPOSED CONSERVATION AREA
  - PROPOSED 8" C900 WATER MAIN
  - PROPOSED FIRE HYDRANT



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SITE PLAN & SUBDIVISION FOR  
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ORANGE COUNTY, NY

**SUBDIVISION PLAN 02**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
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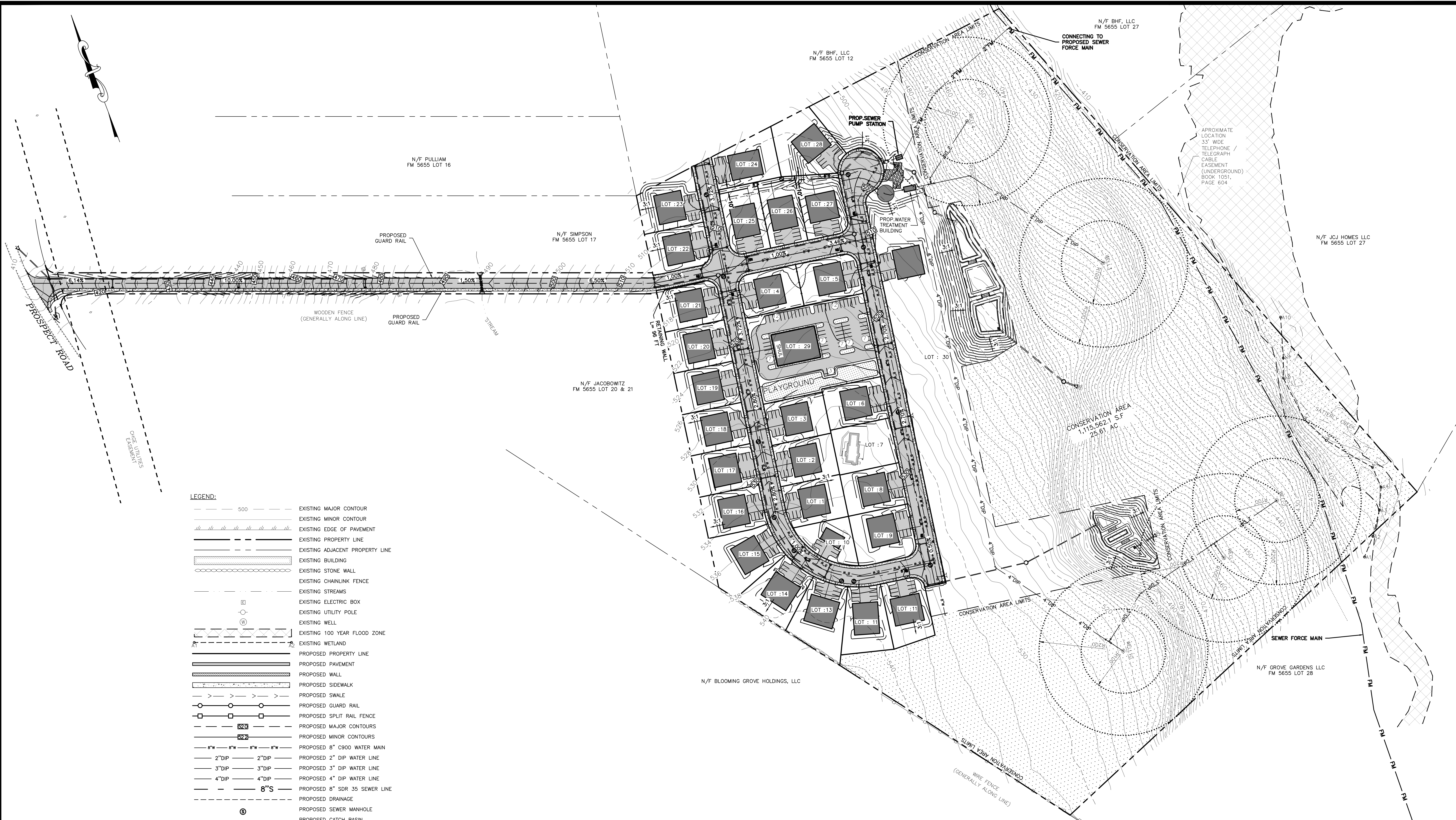
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SUBDIVISION PLAN 02  
SCALE: 1"=60'  
MATCH LINE SEE SHEET 05

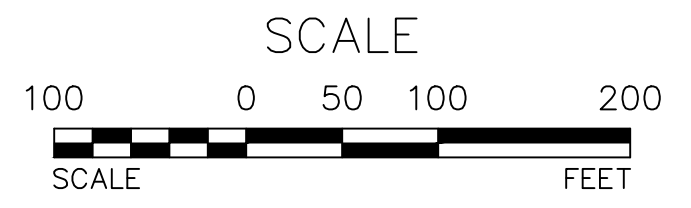
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LIC. NO. 78577



- LEGEND:**
- 500 --- EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - EXISTING EDGE OF PAVEMENT
  - EXISTING PROPERTY LINE
  - EXISTING ADJACENT PROPERTY LINE
  - EXISTING BUILDING
  - EXISTING STONE WALL
  - EXISTING CHAINLINK FENCE
  - EXISTING STREAMS
  - EXISTING ELECTRIC BOX
  - EXISTING UTILITY POLE
  - EXISTING WELL
  - EXISTING 100 YEAR FLOOD ZONE
  - EXISTING WETLAND
  - PROPOSED PROPERTY LINE
  - PROPOSED PAVEMENT
  - PROPOSED WALL
  - PROPOSED SIDEWALK
  - PROPOSED SWALE
  - PROPOSED GUARD RAIL
  - PROPOSED SPLIT RAIL FENCE
  - 520 --- PROPOSED MAJOR CONTOURS
  - 522 --- PROPOSED MINOR CONTOURS
  - 8" W --- 8" W --- 8" W --- 8" W --- PROPOSED 8" C900 WATER MAIN
  - 2"DIP --- 2"DIP --- PROPOSED 2" DIP WATER LINE
  - 3"DIP --- 3"DIP --- PROPOSED 3" DIP WATER LINE
  - 4"DIP --- 4"DIP --- PROPOSED 4" DIP WATER LINE
  - 8"S --- PROPOSED 8" SDR 35 SEWER LINE
  - PROPOSED DRAINAGE
  - PROPOSED SEWER MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED F.E.S

**GRADING & UTILITY OVERALL PLAN**  
SCALE: 1"=100'



**TREE CLEARING NOTE:**  
NO TREE REMOVAL SHALL OCCUR FROM APRIL 1 TO OCTOBER 31 TO MITIGATE POTENTIAL IMPACTS ON INDIANA BAT & NORTHERN LONG EARED BAT.

REV.	BY	DATE	DESCRIPTION

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SITE PLAN & SUBDIVISION FOR  
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ORANGE COUNTY, NY

**GRADING & UTILITY OVERALL PLAN**

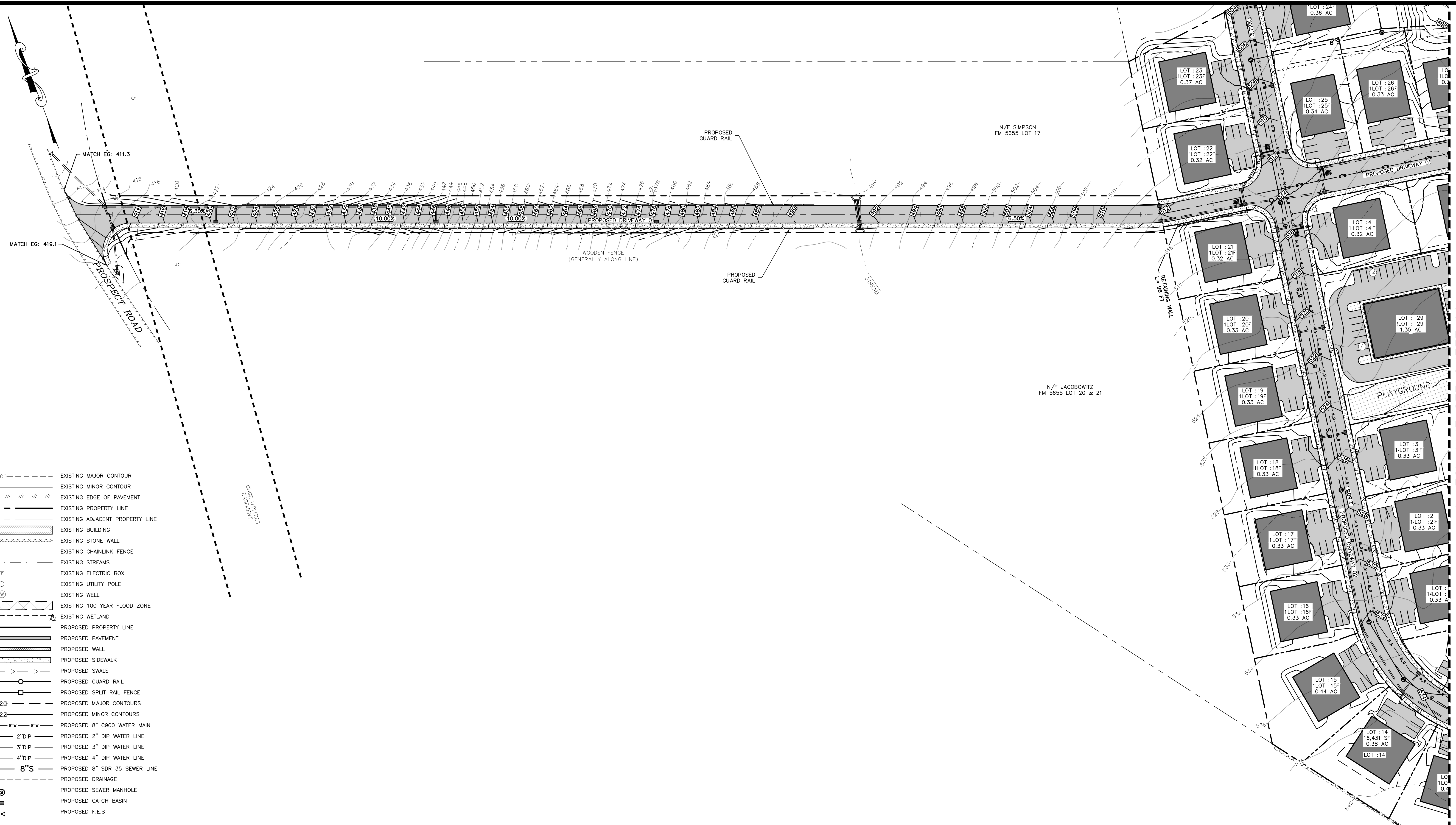
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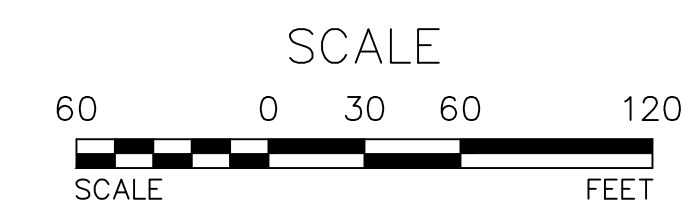
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- LEGEND:**
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  - PROPOSED SIDEWALK
  - PROPOSED SWALE
  - PROPOSED GUARD RAIL
  - PROPOSED SPLIT RAIL FENCE
  - PROPOSED MAJOR CONTOURS
  - PROPOSED MINOR CONTOURS
  - PROPOSED 8" C900 WATER MAIN
  - PROPOSED 2" DIP WATER LINE
  - PROPOSED 3" DIP WATER LINE
  - PROPOSED 4" DIP WATER LINE
  - PROPOSED 8" SDR 35 SEWER LINE
  - PROPOSED DRAINAGE
  - ⊙ PROPOSED SEWER MANHOLE
  - PROPOSED CATCH BASIN
  - △ PROPOSED F.E.S

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**GRADING PLAN 01**  
 SCALE: 1"=60'



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 ORANGE COUNTY, NY

**GRADING PLAN 01**

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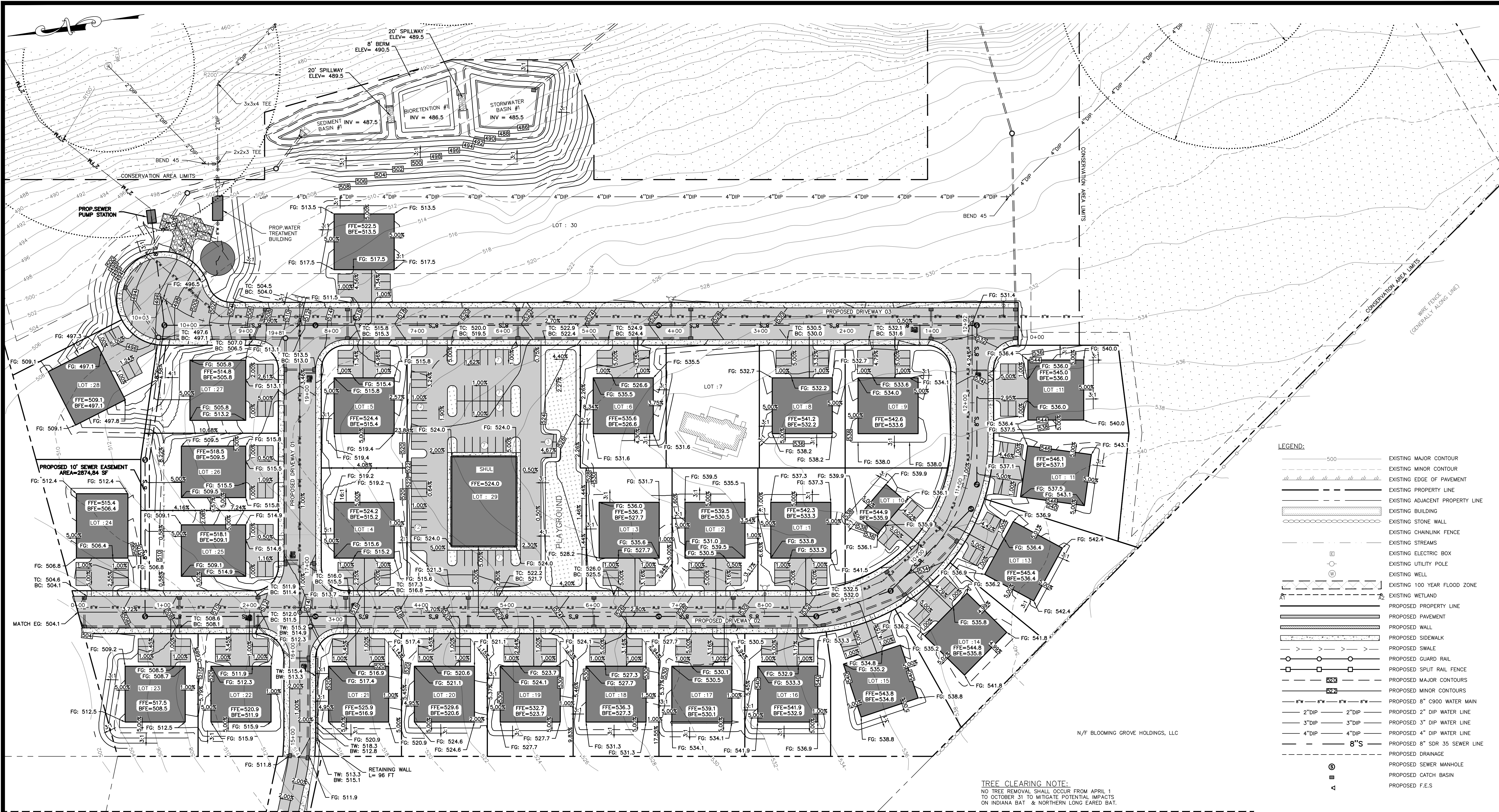
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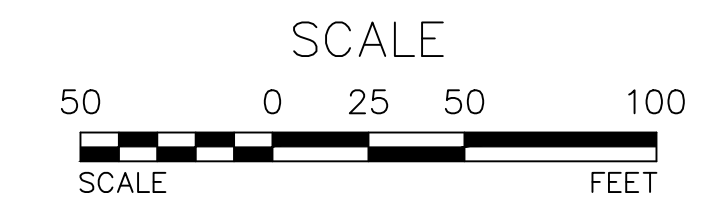


- LEGEND:**
- 500 — EXISTING MAJOR CONTOUR
  - — — EXISTING MINOR CONTOUR
  - — — EXISTING EDGE OF PAVEMENT
  - — — EXISTING PROPERTY LINE
  - — — EXISTING ADJACENT PROPERTY LINE
  - ▨ EXISTING BUILDING
  - ▨ EXISTING STONE WALL
  - — — EXISTING CHAINLINK FENCE
  - — — EXISTING STREAMS
  - ⊠ EXISTING ELECTRIC BOX
  - ⊙ EXISTING UTILITY POLE
  - ⊙ EXISTING WELL
  - — — EXISTING 100 YEAR FLOOD ZONE
  - — — EXISTING WETLAND
  - — — PROPOSED PROPERTY LINE
  - ▨ PROPOSED PAVEMENT
  - ▨ PROPOSED WALL
  - ▨ PROPOSED SIDEWALK
  - ▨ PROPOSED SWALE
  - ▨ PROPOSED GUARD RAIL
  - ▨ PROPOSED SPLIT RAIL FENCE
  - 5.0% — PROPOSED MAJOR CONTOURS
  - 2.0% — PROPOSED MINOR CONTOURS
  - 8" W — 8" W PROPOSED 8" C900 WATER MAIN
  - 2" DIP — 2" DIP PROPOSED 2" DIP WATER LINE
  - 3" DIP — 3" DIP PROPOSED 3" DIP WATER LINE
  - 4" DIP — 4" DIP PROPOSED 4" DIP WATER LINE
  - 8" S — 8" S PROPOSED 8" SDR 35 SEWER LINE
  - — — PROPOSED DRAINAGE
  - ⊙ PROPOSED SEWER MANHOLE
  - ⊙ PROPOSED CATCH BASIN
  - ⊙ PROPOSED F.E.S

**TREE CLEARING NOTE:**  
 NO TREE REMOVAL SHALL OCCUR FROM APRIL 1 TO OCTOBER 31 TO MITIGATE POTENTIAL IMPACTS ON INDIANA BAT & NORTHERN LONG EARED BAT.

MATCH LINE SEE SHEET 08

GRADING PLAN 02  
 SCALE: 1"=50'



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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
 VILLAGE OF SOUTH BLOOMING GROVE  
 ORANGE COUNTY, NY

**GRADING PLAN 02**

JOB#: 22-033  
 SCALE: AS NOTED  
 DATE: 01-14-25  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO: 08 OF 29

REV.	BY	DATE	DESCRIPTION

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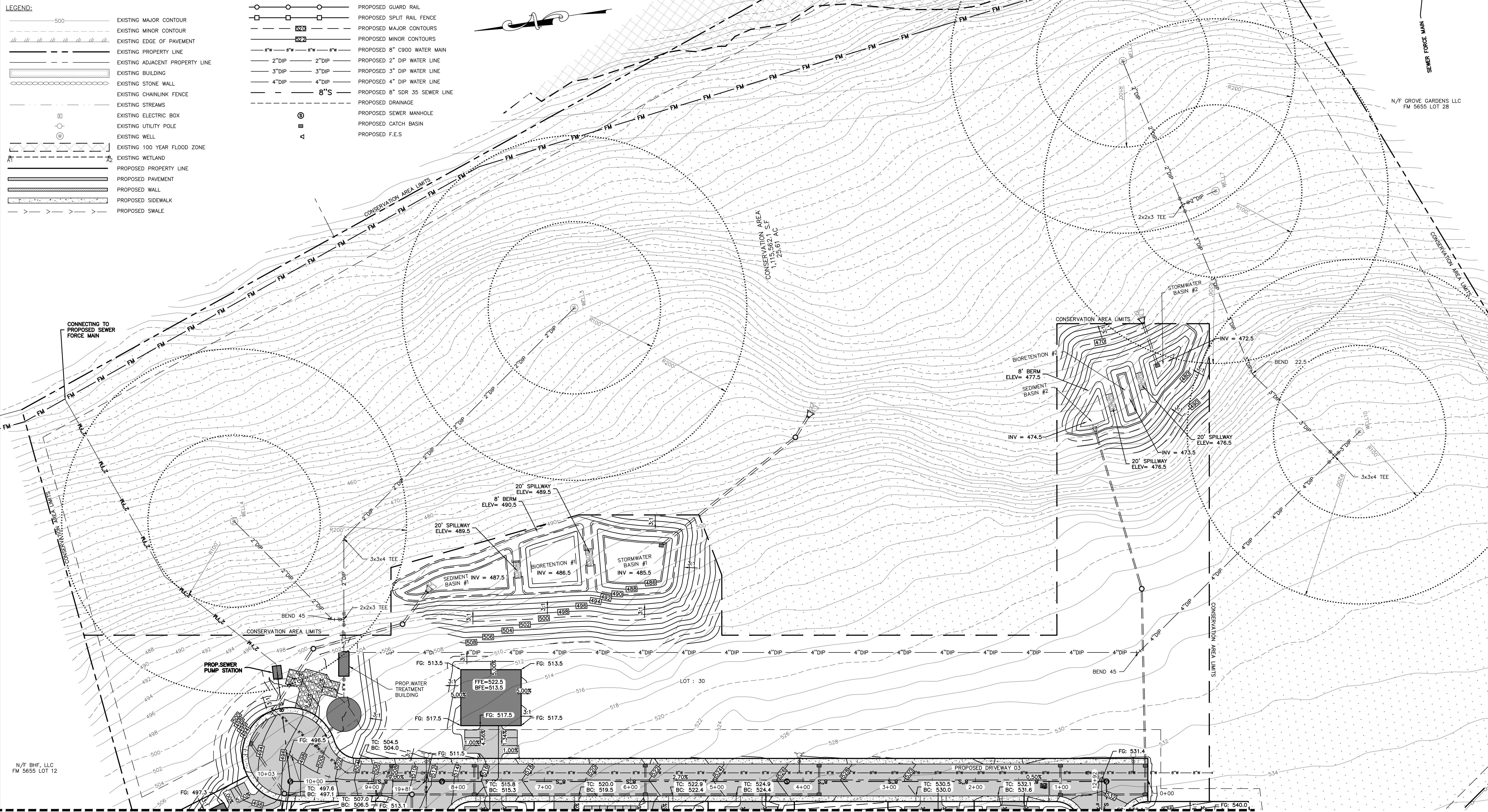
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 LIC. NO. 78577

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- LEGEND:**
- 500 ——— EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - ||||| EXISTING EDGE OF PAVEMENT
  - EXISTING PROPERTY LINE
  - EXISTING ADJACENT PROPERTY LINE
  - ▭ EXISTING BUILDING
  - ▭ EXISTING STONE WALL
  - EXISTING CHAINLINK FENCE
  - EXISTING STREAMS
  - ⊕ EXISTING ELECTRIC BOX
  - ⊕ EXISTING UTILITY POLE
  - ⊕ EXISTING WELL
  - EXISTING 100 YEAR FLOOD ZONE
  - EXISTING WETLAND
  - PROPOSED PROPERTY LINE
  - ▭ PROPOSED PAVEMENT
  - ▭ PROPOSED WALL
  - ▭ PROPOSED SIDEWALK
  - ▭ PROPOSED SWALE
  - PROPOSED GUARD RAIL
  - PROPOSED SPLIT RAIL FENCE
  - PROPOSED MAJOR CONTOURS
  - PROPOSED MINOR CONTOURS
  - 8" W 8" W 8" W PROPOSED 8" C900 WATER MAIN
  - 2" DIP 2" DIP PROPOSED 2" DIP WATER LINE
  - 3" DIP 3" DIP PROPOSED 3" DIP WATER LINE
  - 4" DIP 4" DIP PROPOSED 4" DIP WATER LINE
  - 8" S PROPOSED 8" SDR 35 SEWER LINE
  - PROPOSED DRAINAGE
  - ⊕ PROPOSED SEWER MANHOLE
  - ⊕ PROPOSED CATCH BASIN
  - ⊕ PROPOSED F.E.S.



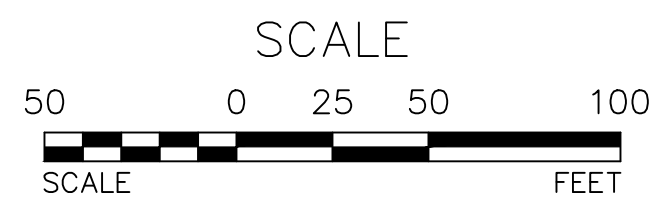
MATCH LINE SEE SHEET 09

GRADING PLAN 03

SCALE: 1"=50'

**TREE CLEARING NOTE:**  
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SITE PLAN & SUBDIVISION FOR  
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 ORANGE COUNTY, NY

**GRADING PLAN 03**

JOB#: 22-033  
 SCALE: AS NOTED  
 DATE: 01-14-25  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO: 10 of 29

MICHAEL A. MORGANTE, P.E.  
 LIC. NO. 78577

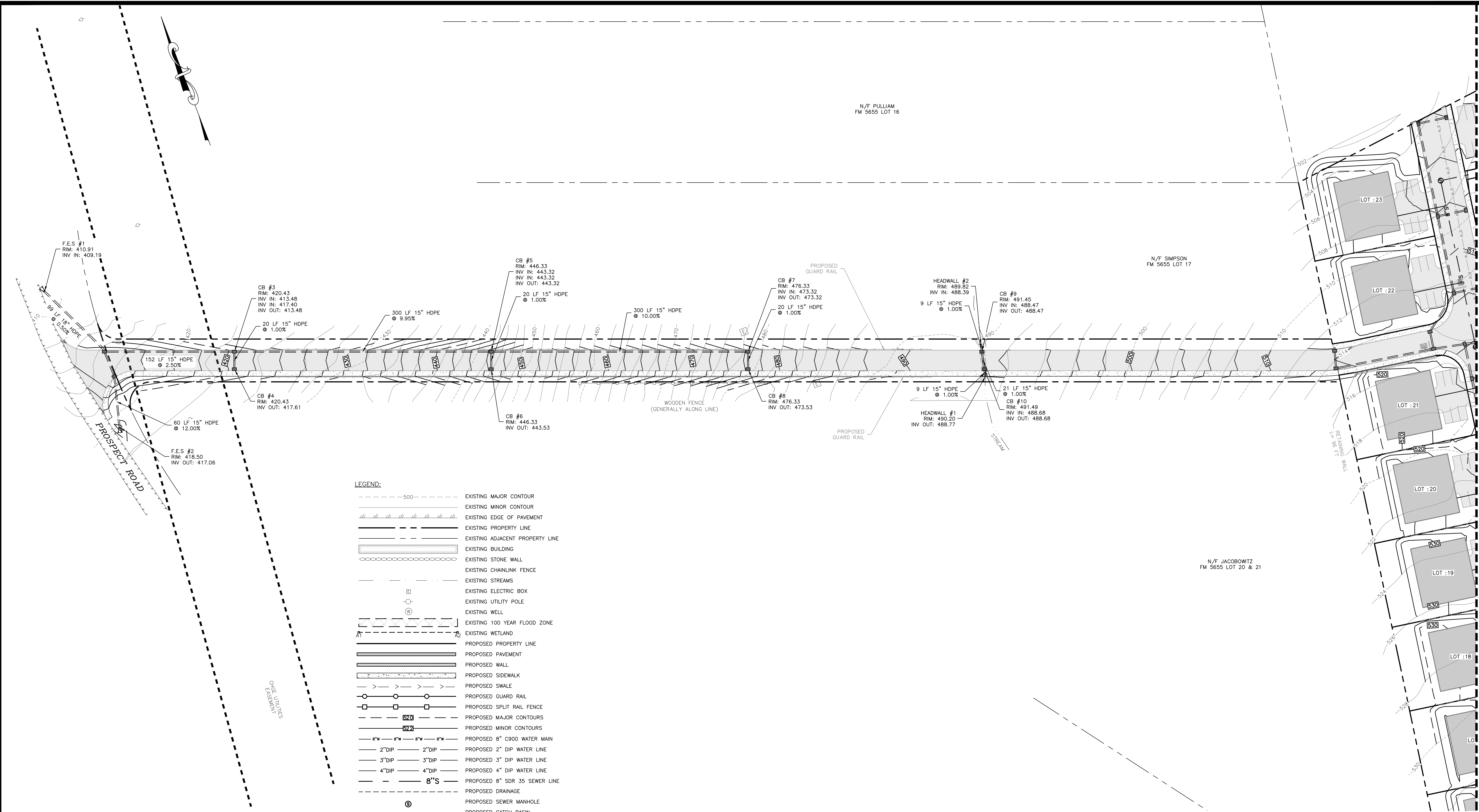
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  - --- EXISTING MINOR CONTOUR
  - ||||| EXISTING EDGE OF PAVEMENT
  - EXISTING PROPERTY LINE
  - EXISTING ADJACENT PROPERTY LINE
  - ▭ EXISTING BUILDING
  - ▭ EXISTING STONE WALL
  - ▭ EXISTING CHAINLINK FENCE
  - EXISTING STREAMS
  - EXISTING ELECTRIC BOX
  - EXISTING UTILITY POLE
  - ⊙ EXISTING WELL
  - ▭ EXISTING 100 YEAR FLOOD ZONE
  - ▭ EXISTING WETLAND
  - PROPOSED PROPERTY LINE
  - ▭ PROPOSED PAVEMENT
  - ▭ PROPOSED WALL
  - ▭ PROPOSED SIDEWALK
  - ▭ PROPOSED SWALE
  - PROPOSED GUARD RAIL
  - PROPOSED SPLIT RAIL FENCE
  - PROPOSED MAJOR CONTOURS
  - PROPOSED MINOR CONTOURS
  - 8" W --- 8" W --- 8" W --- 8" W PROPOSED 8" C900 WATER MAIN
  - 2"DIP --- 2"DIP --- 2"DIP --- 2"DIP PROPOSED 2" DIP WATER LINE
  - 3"DIP --- 3"DIP --- 3"DIP --- 3"DIP PROPOSED 3" DIP WATER LINE
  - 4"DIP --- 4"DIP --- 4"DIP --- 4"DIP PROPOSED 4" DIP WATER LINE
  - 8" S --- 8" S --- 8" S --- 8" S PROPOSED 8" SDR 35 SEWER LINE
  - PROPOSED DRAINAGE
  - ⊙ PROPOSED SEWER MANHOLE
  - ▭ PROPOSED CATCH BASIN
  - △ PROPOSED F.E.S



**TREE CLEARING NOTE:**  
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REV.	BY	DATE	DESCRIPTION

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
 VILLAGE OF SOUTH BLOOMING GROVE  
 ORANGE COUNTY, NY

**UTILITY PLAN 01**

JOB#: 22-033  
 SCALE: AS NOTED  
 DATE: 01-14-25  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO. 11 of 29

MICHAEL A. MORGANTE, P.E.  
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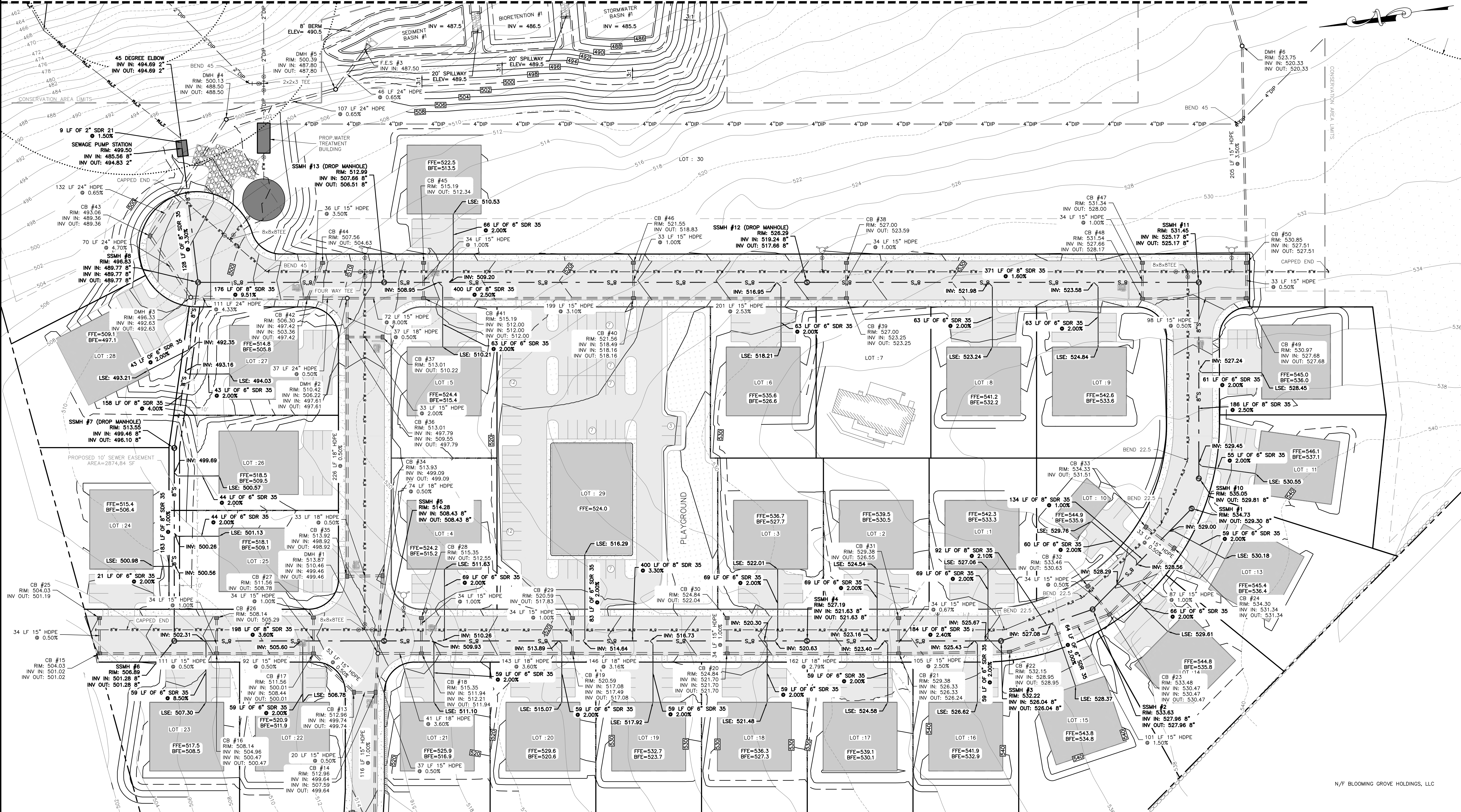
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UTILITY PLAN 01  
 SCALE: 1"=50'

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MATCH LINE SEE SHEET 12

MATCH LINE SEE SHEET 13



MATCH LINE SEE SHEET 11

UTILITY PLAN 02

SCALE: 1"=40'

**TREE CLEARING NOTE:**  
 NO TREE REMOVAL SHALL OCCUR FROM APRIL 1 TO OCTOBER 31 TO MITIGATE POTENTIAL IMPACTS ON INDIANA BAT & NORTHERN LONG EARED BAT.

SCALE



SCALE FEET

REV.	BY	DATE	DESCRIPTION

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
 VILLAGE OF SOUTH BLOOMING GROVE  
 ORANGE COUNTY, NY

UTILITY PLAN 02

JOB#: 22-033  
 SCALE: AS NOTED  
 DATE: 01-14-25  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO. 12 of 29

MICHAEL A. MORGANTE, P.E. LIC. NO. 78577

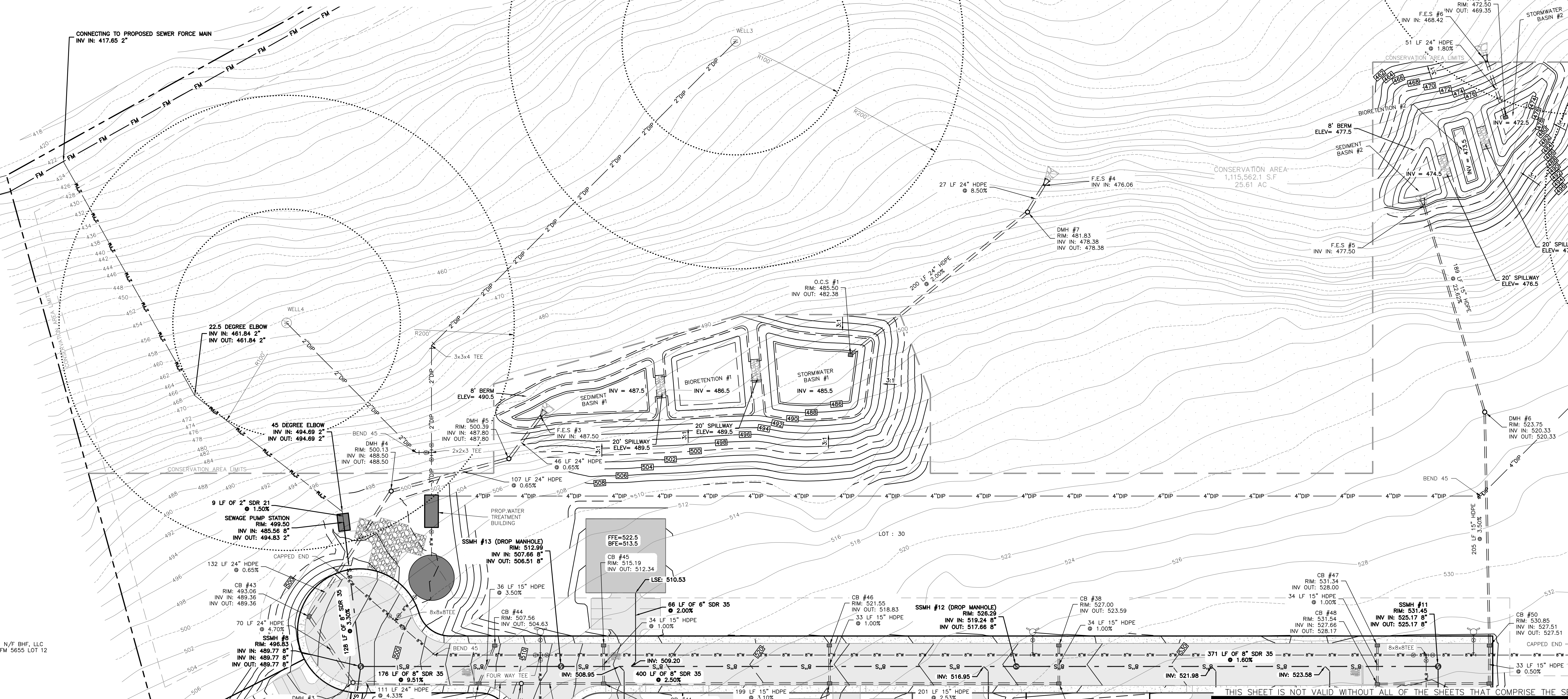
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**LEGEND:**

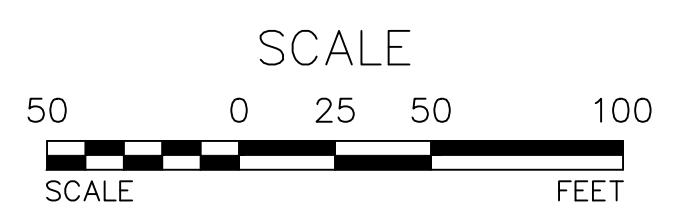
- 500--- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- ||||| EXISTING EDGE OF PAVEMENT
- - - - - EXISTING PROPERTY LINE
- - - - - EXISTING ADJACENT PROPERTY LINE
- ▭ EXISTING BUILDING
- ▭ EXISTING STONE WALL
- ▭ EXISTING CHAINLINK FENCE
- ▭ EXISTING STREAMS
- ▭ EXISTING ELECTRIC BOX
- ▭ EXISTING UTILITY POLE
- ▭ EXISTING WELL
- ▭ EXISTING 100 YEAR FLOOD ZONE
- ▭ EXISTING WETLAND
- - - - - PROPOSED PROPERTY LINE
- ▭ PROPOSED PAVEMENT
- ▭ PROPOSED WALL
- ▭ PROPOSED SIDEWALK
- ▭ PROPOSED SWALE
- ▭ PROPOSED GUARD RAIL
- ▭ PROPOSED SPLIT RAIL FENCE
- ▭ PROPOSED MAJOR CONTOURS
- ▭ PROPOSED MINOR CONTOURS
- ▭ PROPOSED 8" C900 WATER MAIN
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- ▭ PROPOSED 3" DIP WATER LINE
- ▭ PROPOSED 4" DIP WATER LINE
- ▭ PROPOSED 8" SDR 35 SEWER LINE
- ▭ PROPOSED DRAINAGE
- ▭ PROPOSED SEWER MANHOLE
- ▭ PROPOSED CATCH BASIN
- ▭ PROPOSED F.E.S



N/F BHF, LLC  
FM 5655 LOT 12

MATCH LINE SEE SHEET 12

**UTILITY PLAN 03**  
SCALE: 1"=50'



REV.	BY	DATE	DESCRIPTION

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**SITE PLAN & SUBDIVISION FOR  
VALLEY HEIGHTS  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY**

**UTILITY PLAN 03**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
MICHAEL A. MORGANTE, P.E.  
LIC. NO. 78577

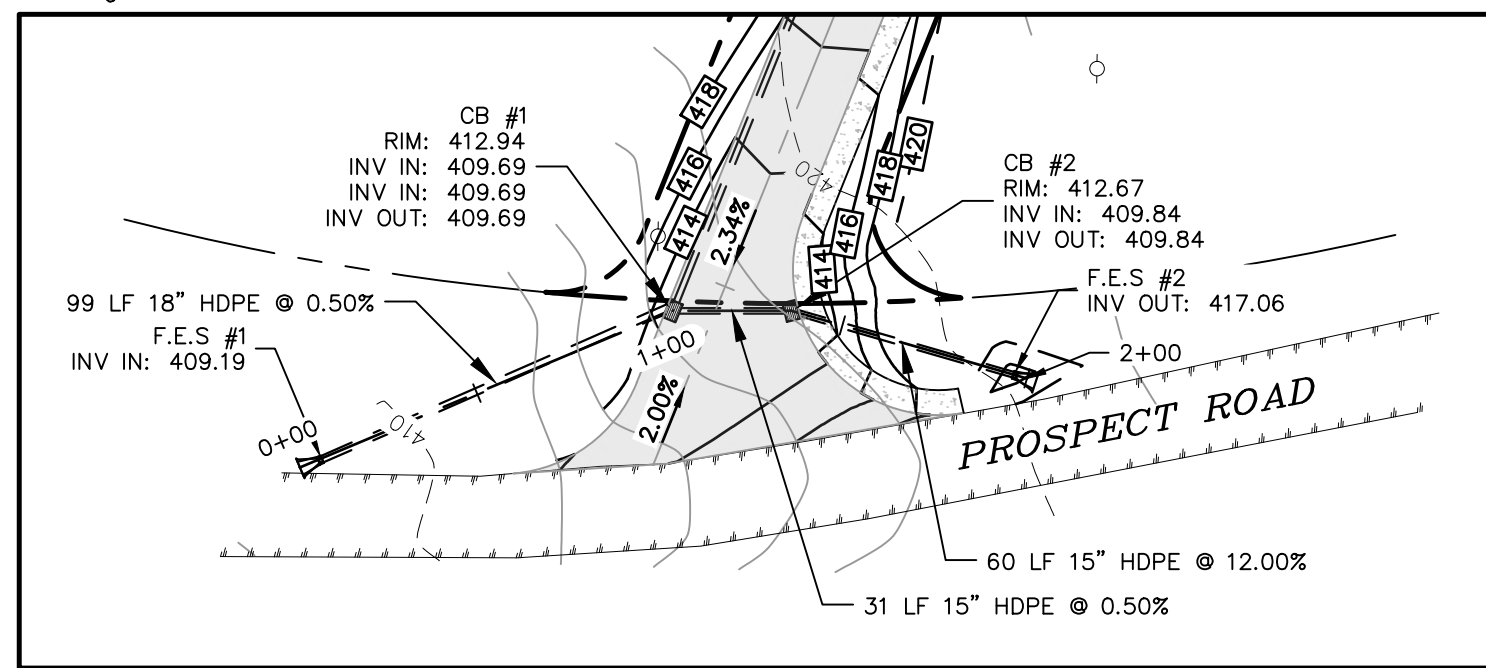
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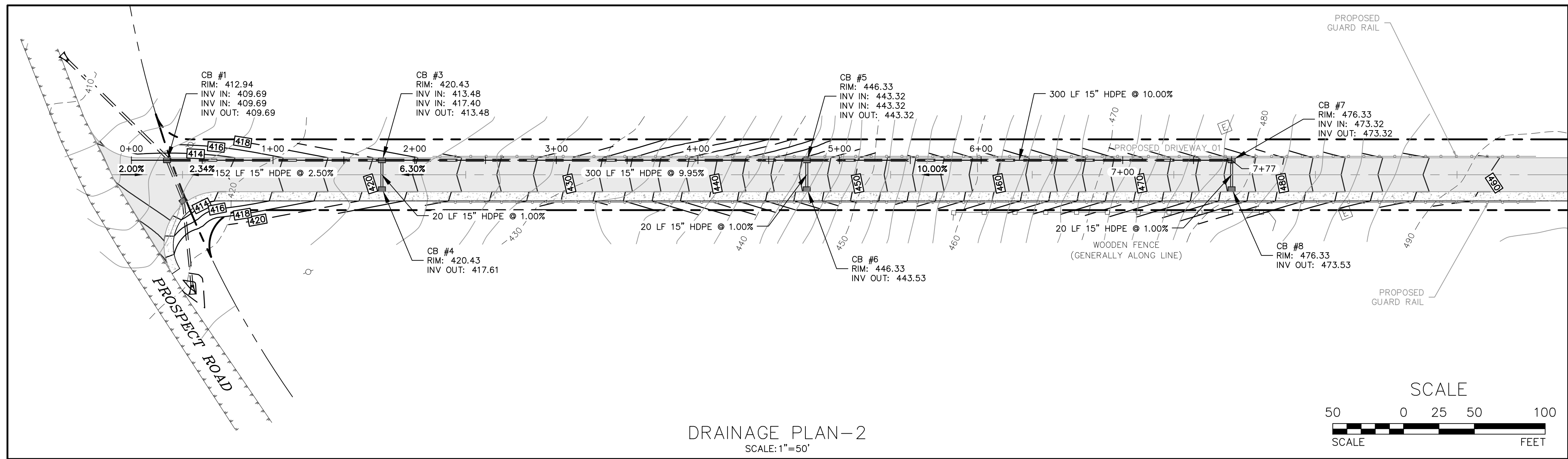
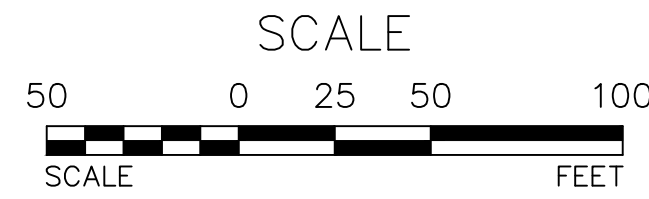
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**TREE CLEARING NOTE:**  
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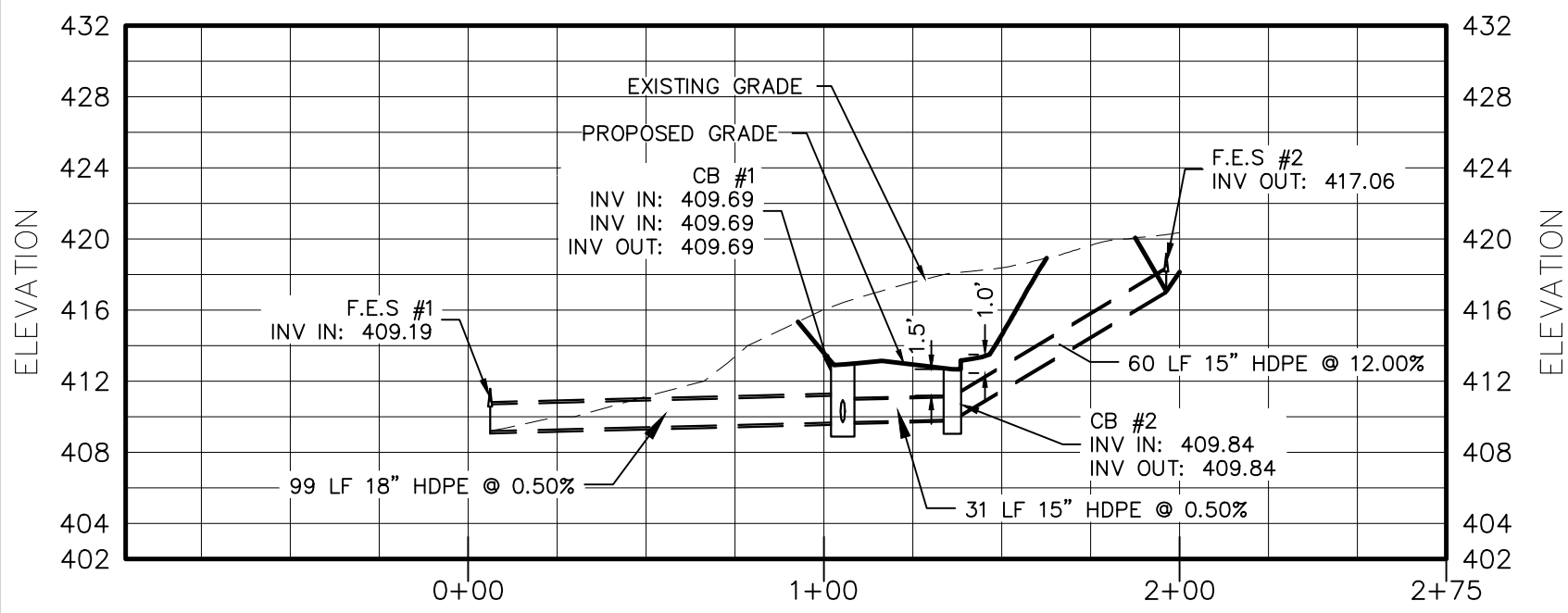
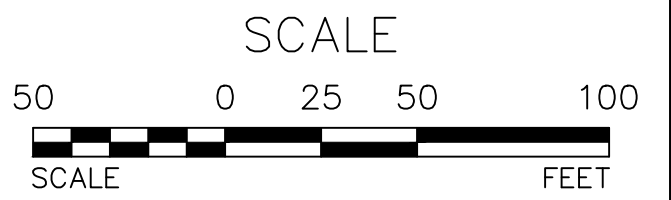
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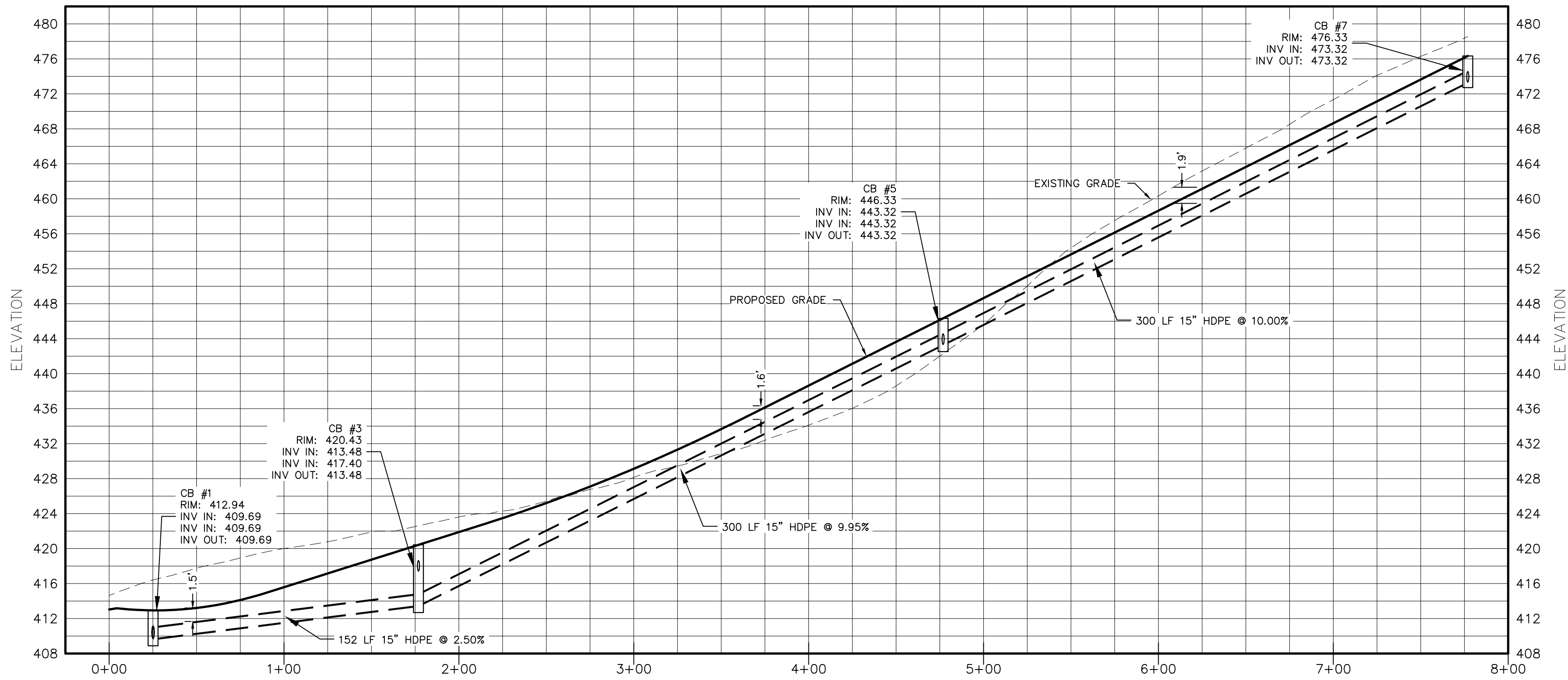
DRAINAGE PLAN-1  
SCALE: 1"=50'



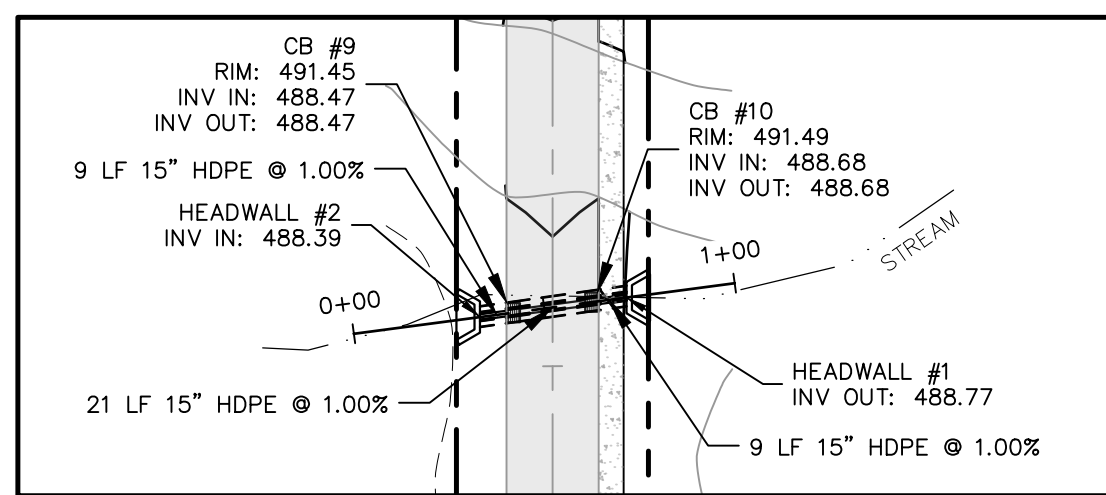
DRAINAGE PLAN-2  
SCALE: 1"=50'



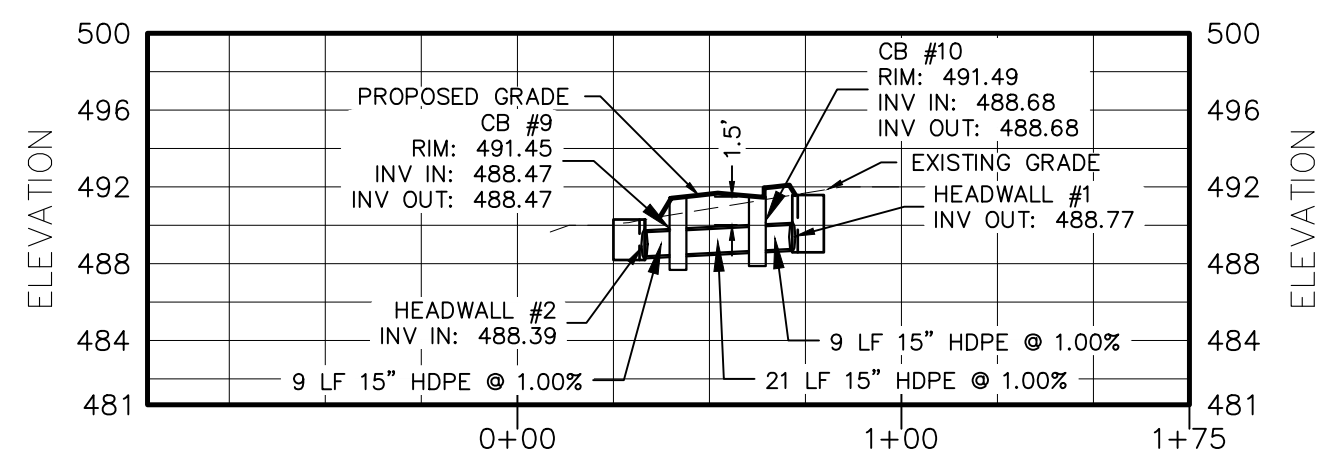
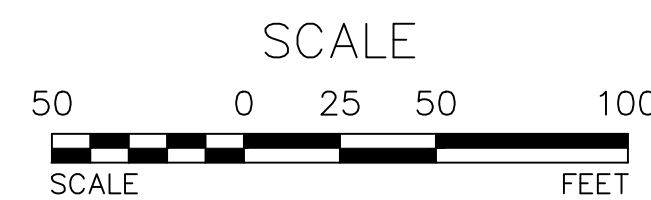
DRAINAGE PROFILE-1  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'



DRAINAGE PROFILE-2  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'



DRAINAGE PLAN-3  
SCALE: 1"=50'



DRAINAGE PROFILE-3  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

**DRAINAGE PROFILE 01**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO. 14 of 29

REV.	BY	DATE	DESCRIPTION

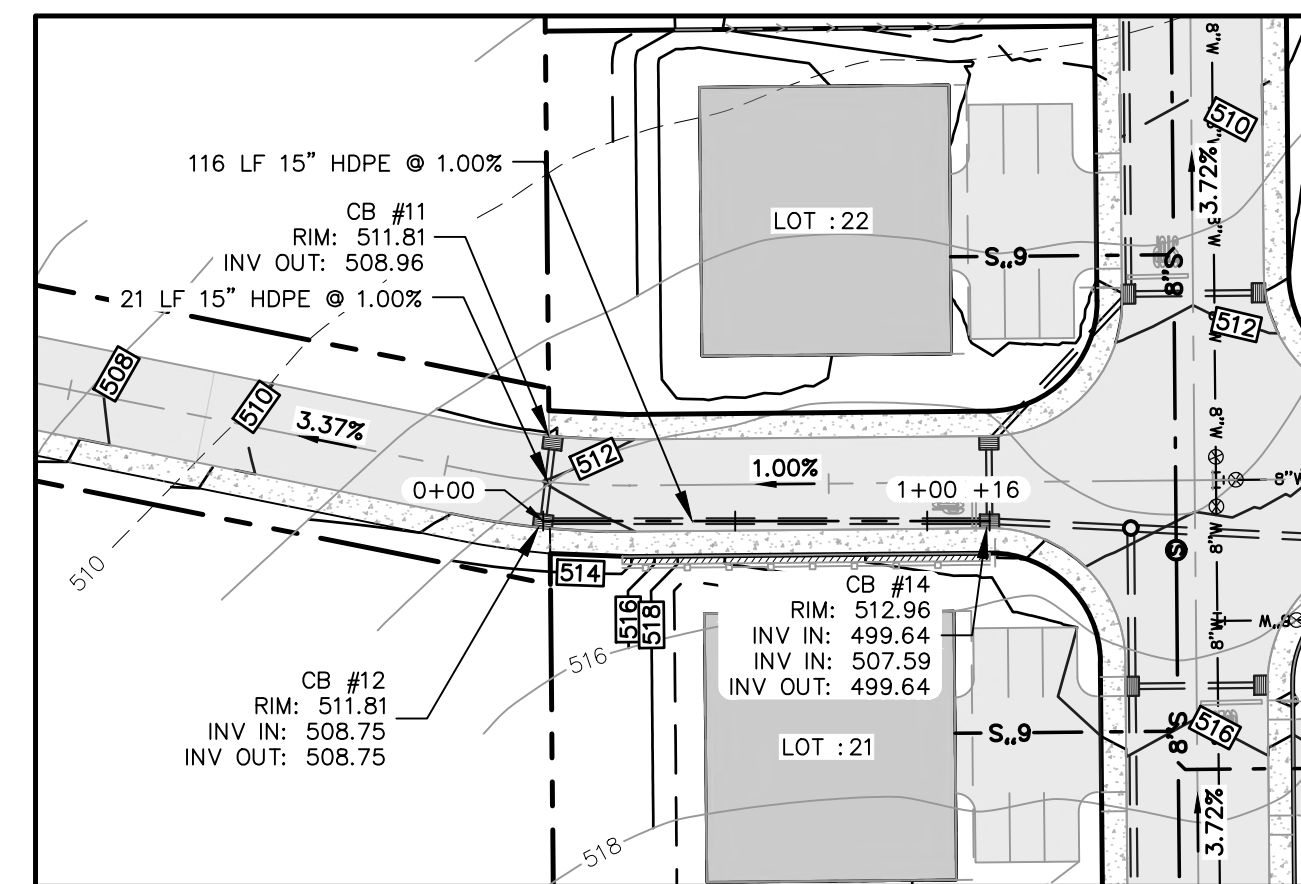
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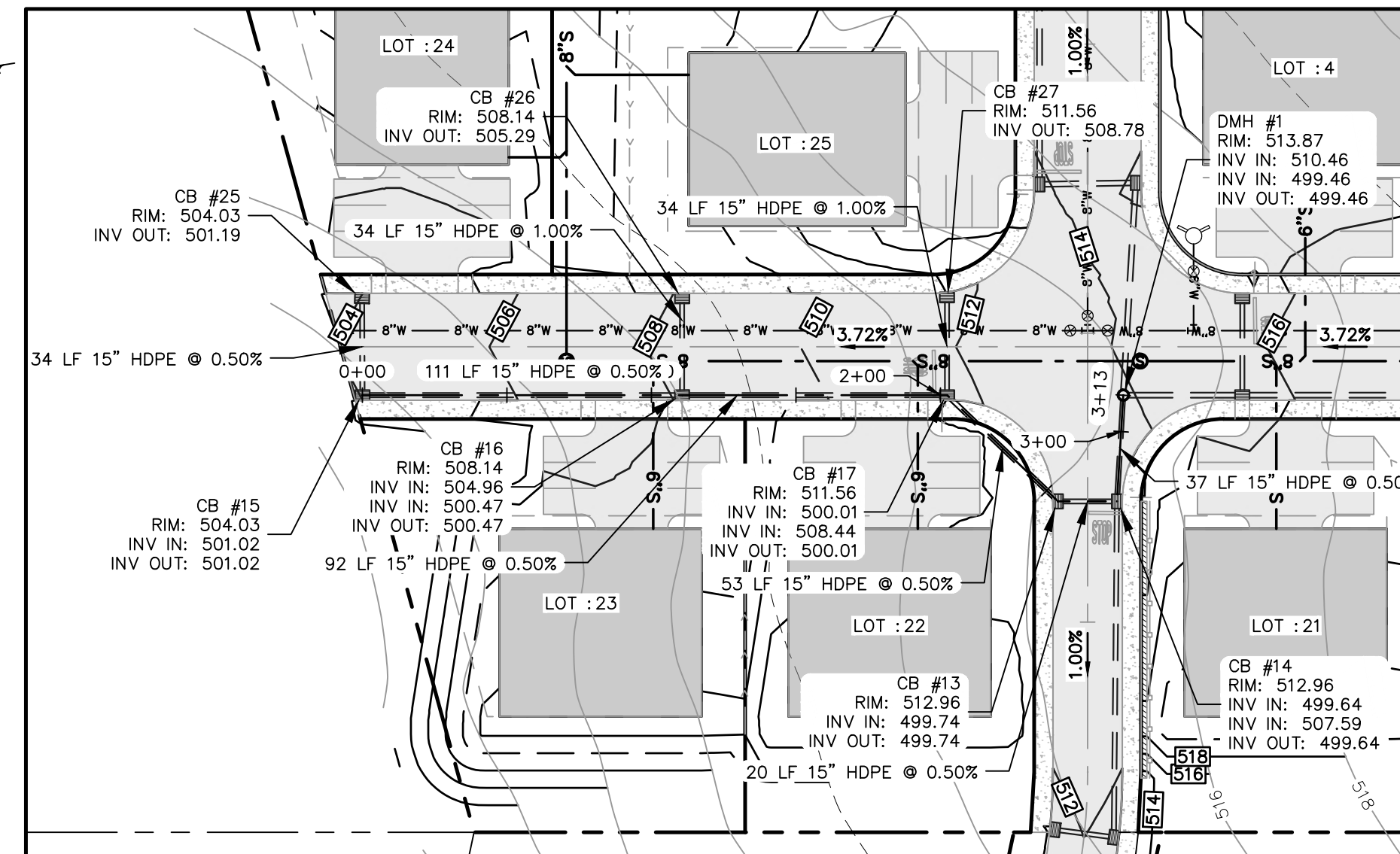
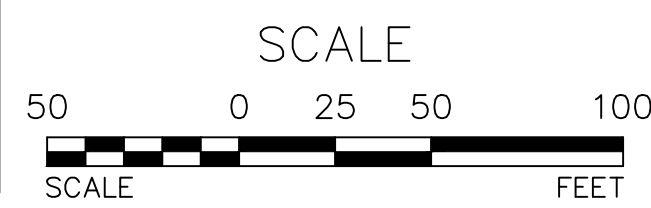
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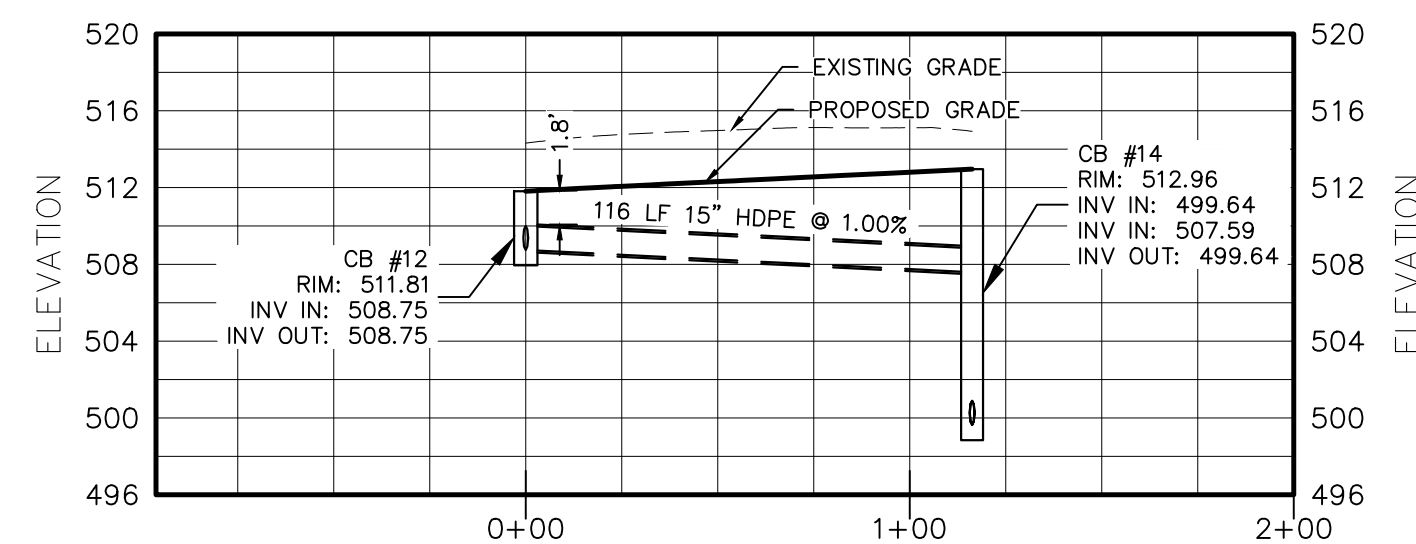
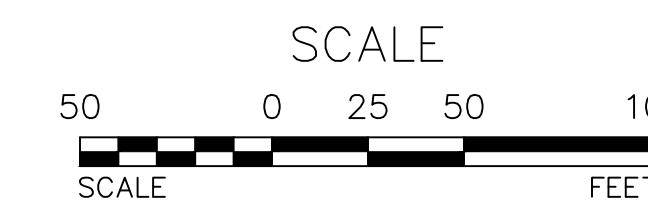
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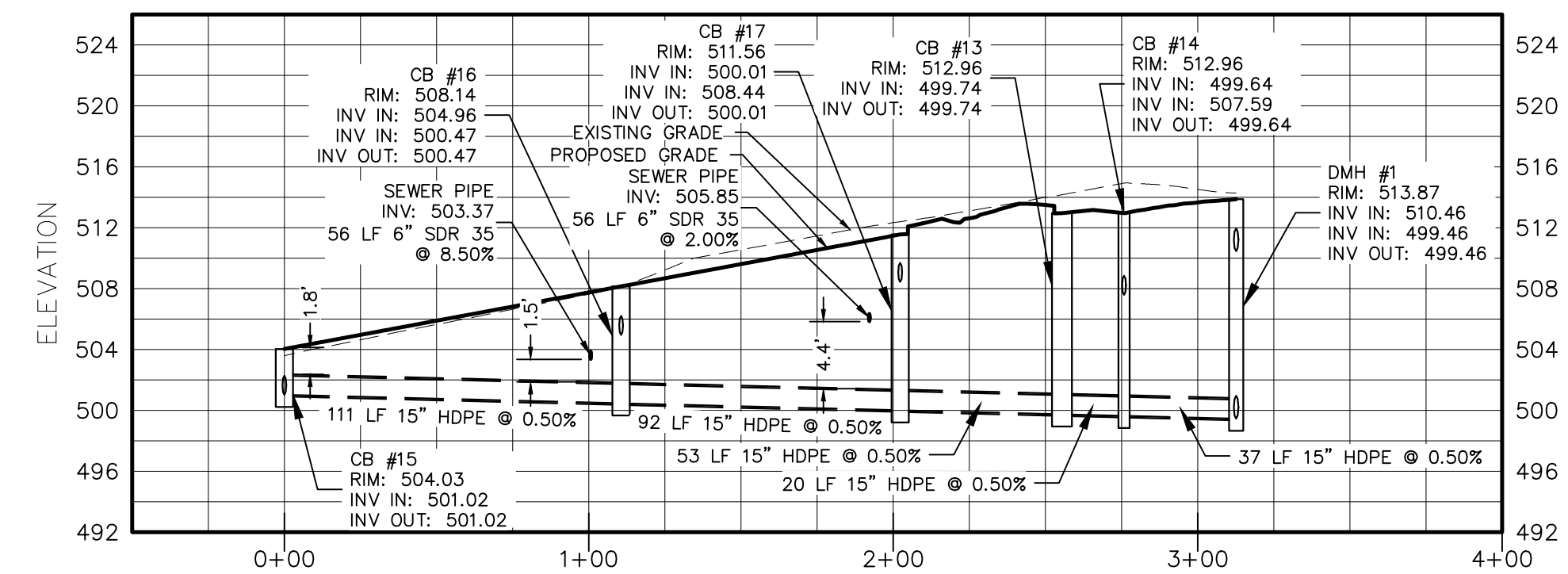
DRAINAGE PLAN-4  
SCALE: 1"=50'



DRAINAGE PLAN-5  
SCALE: 1"=50'



DRAINAGE PROFILE-4  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'



DRAINAGE PROFILE-5  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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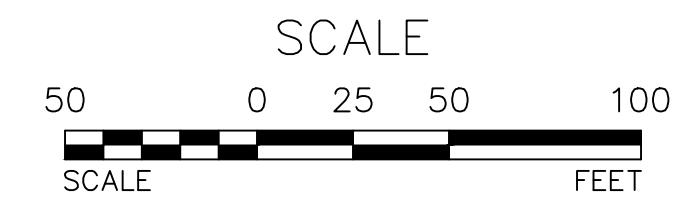
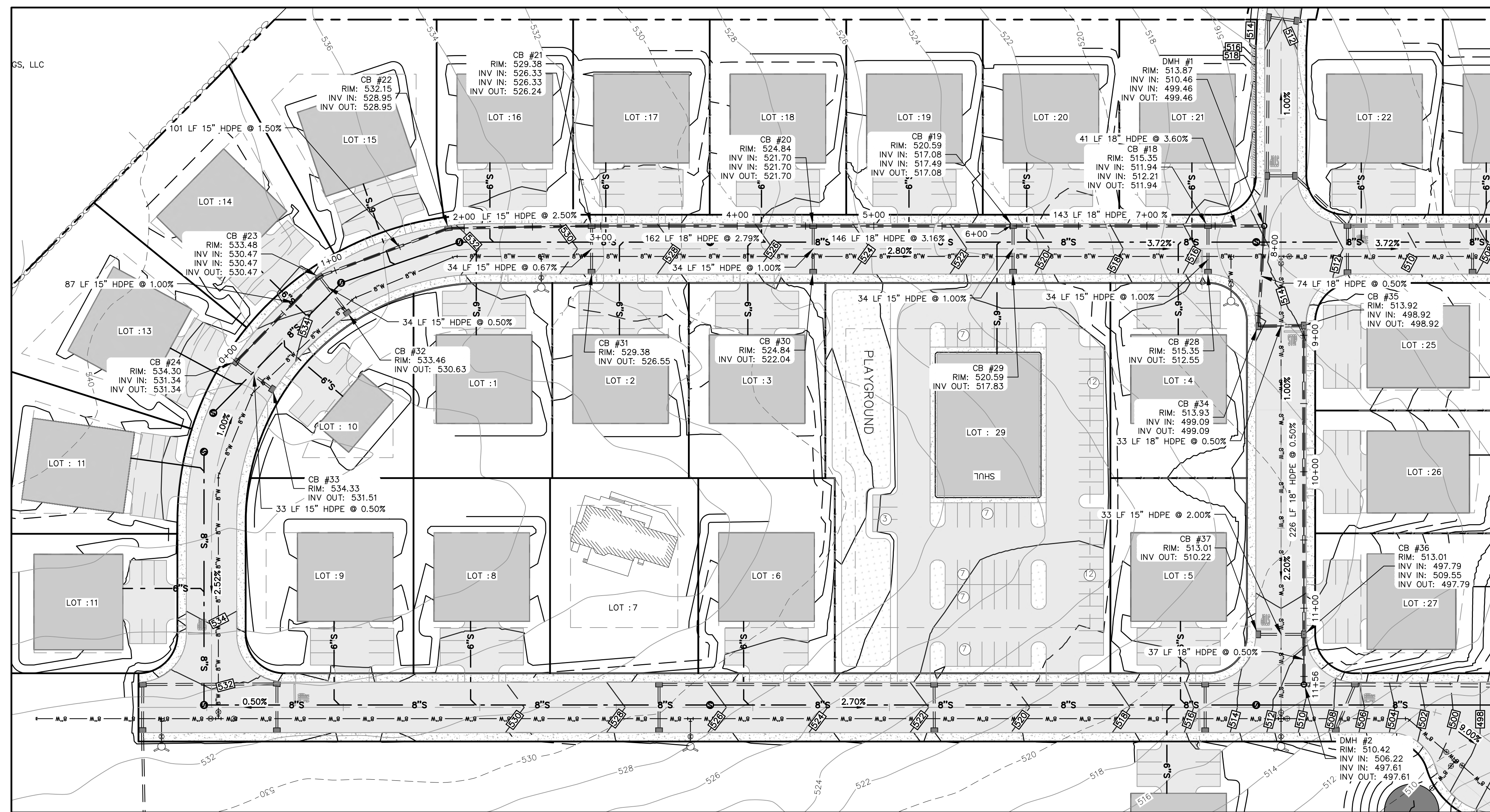
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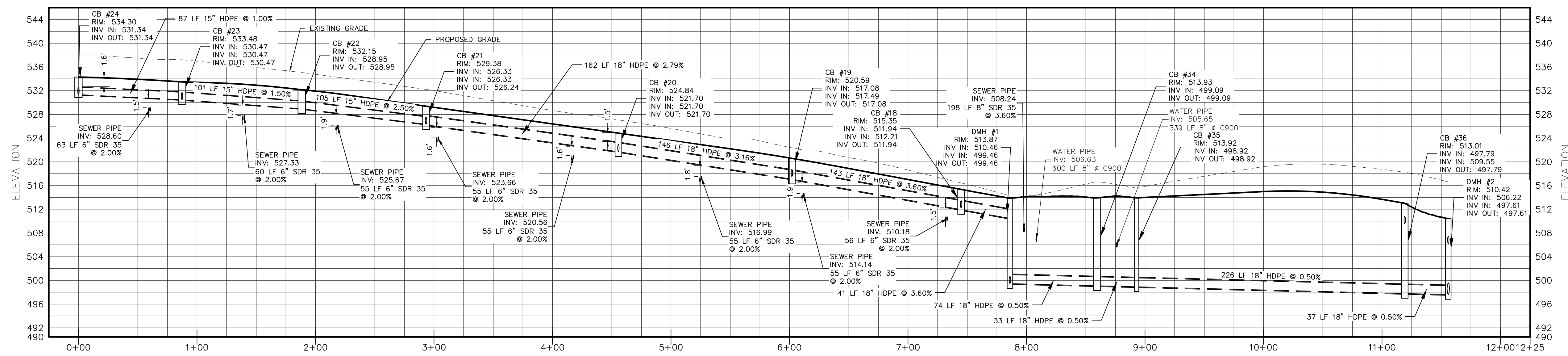
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SITE PLAN & SUBDIVISION FOR <b>VALLEY HEIGHTS</b> VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, NY	JOB#: 22-033 SCALE: AS NOTED DATE: 01-14-25 DRAWN: MM CHECKED: MM SHEET NO. 15 of 29
DRAINAGE PROFILE 02	

MICHAEL A. MORGANTE, P.E.  
LIC. NO. 78577



DRAINAGE PLAN-6  
SCALE: 1"=50'



DRAINAGE PROFILE-6  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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SITE PLAN & SUBDIVISION FOR  
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ORANGE COUNTY, NY

**DRAINAGE PROFILE 03**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO: 16 of 29

REV.	BY	DATE	DESCRIPTION

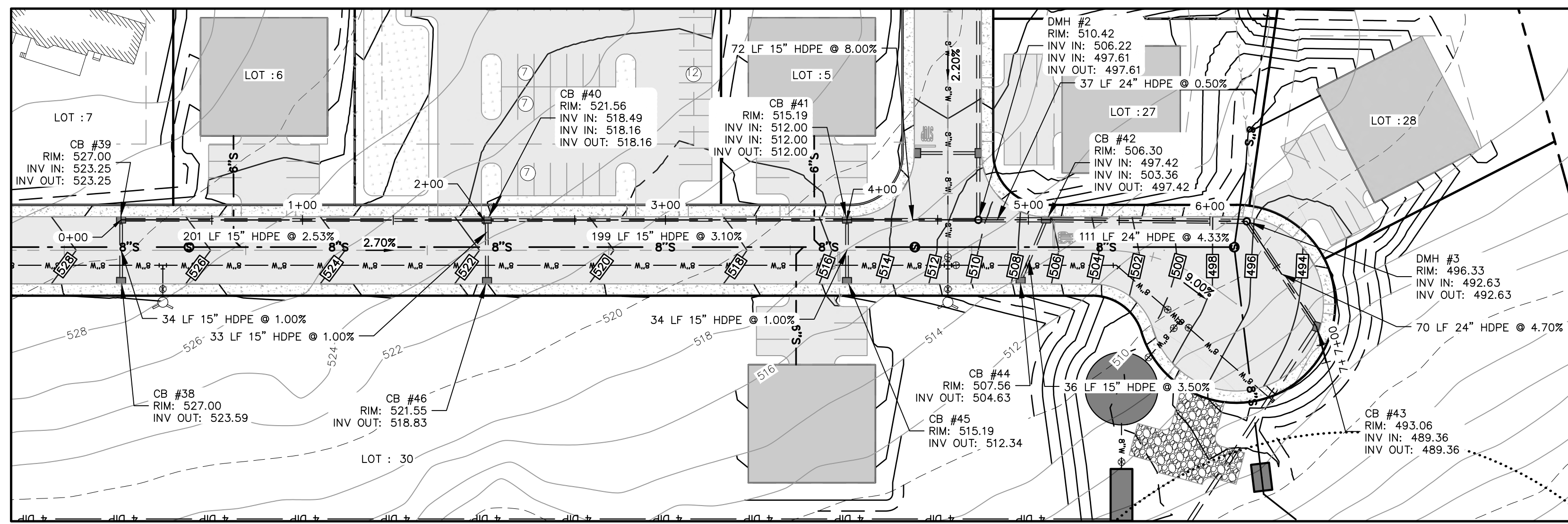
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LIC. NO. 78577

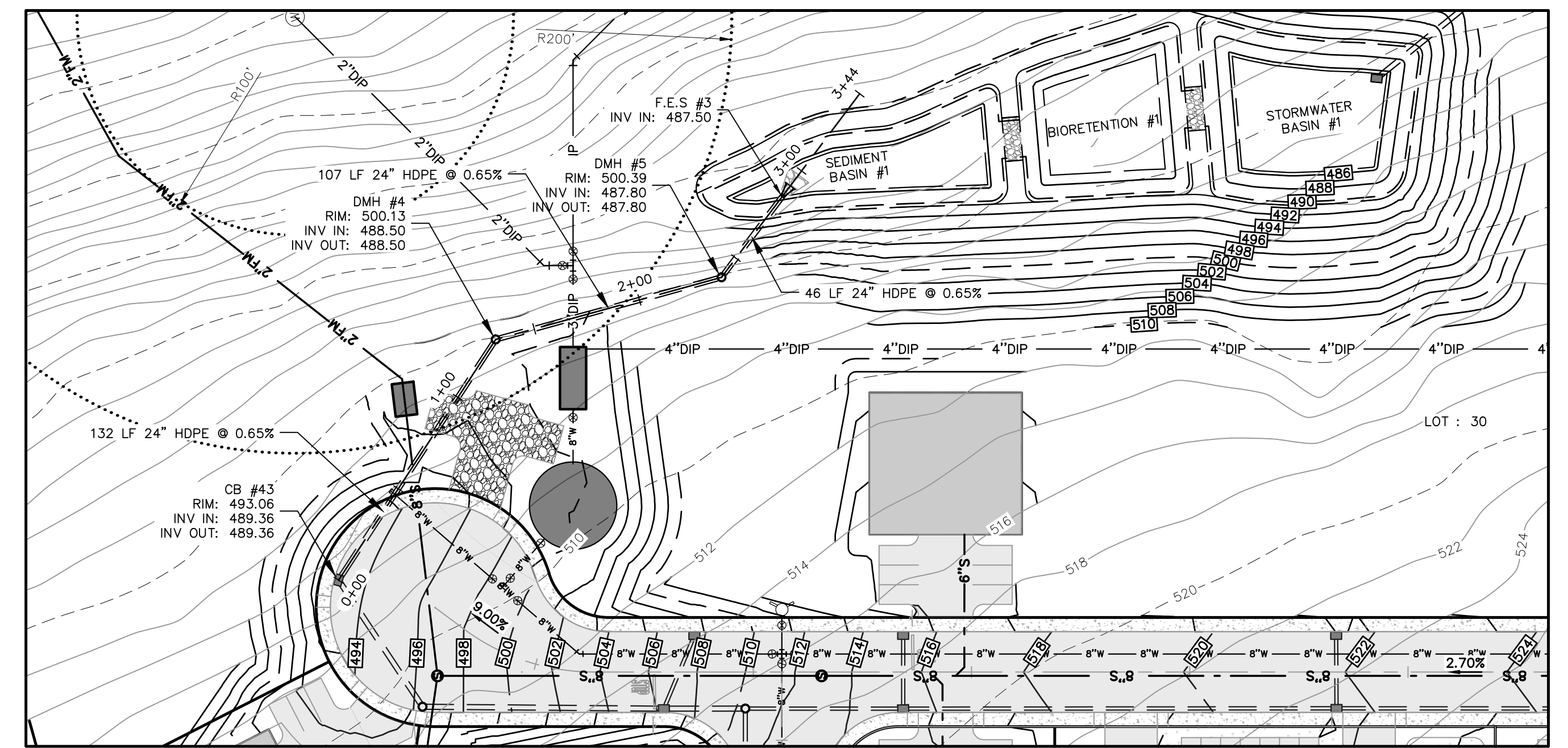
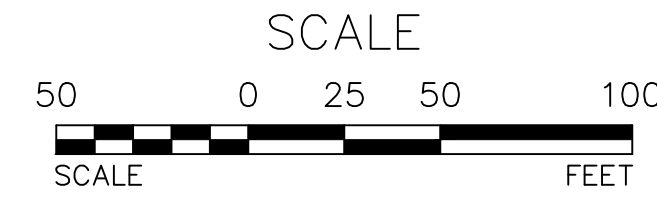
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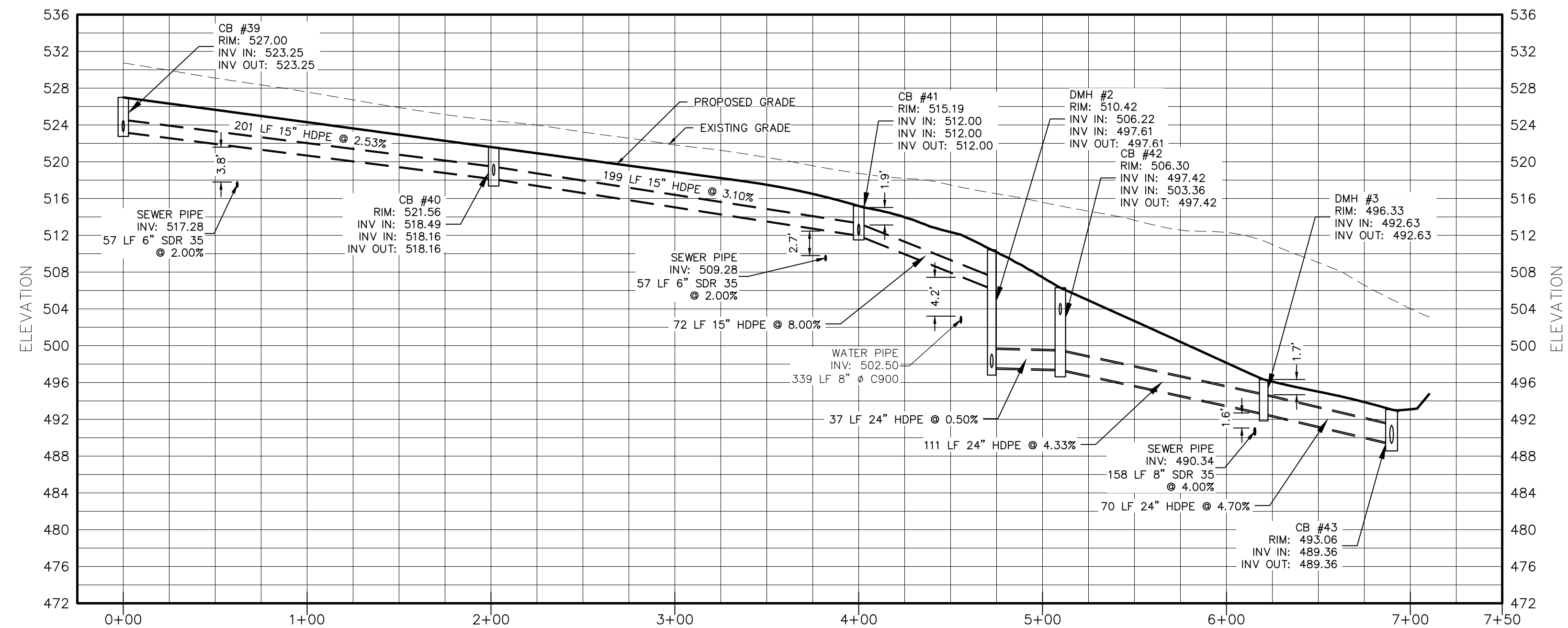
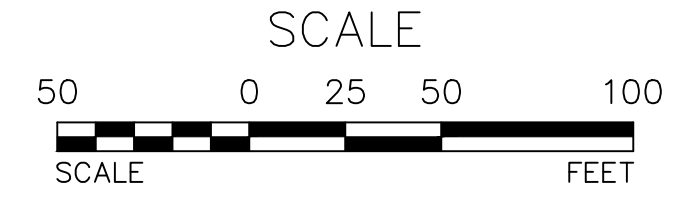
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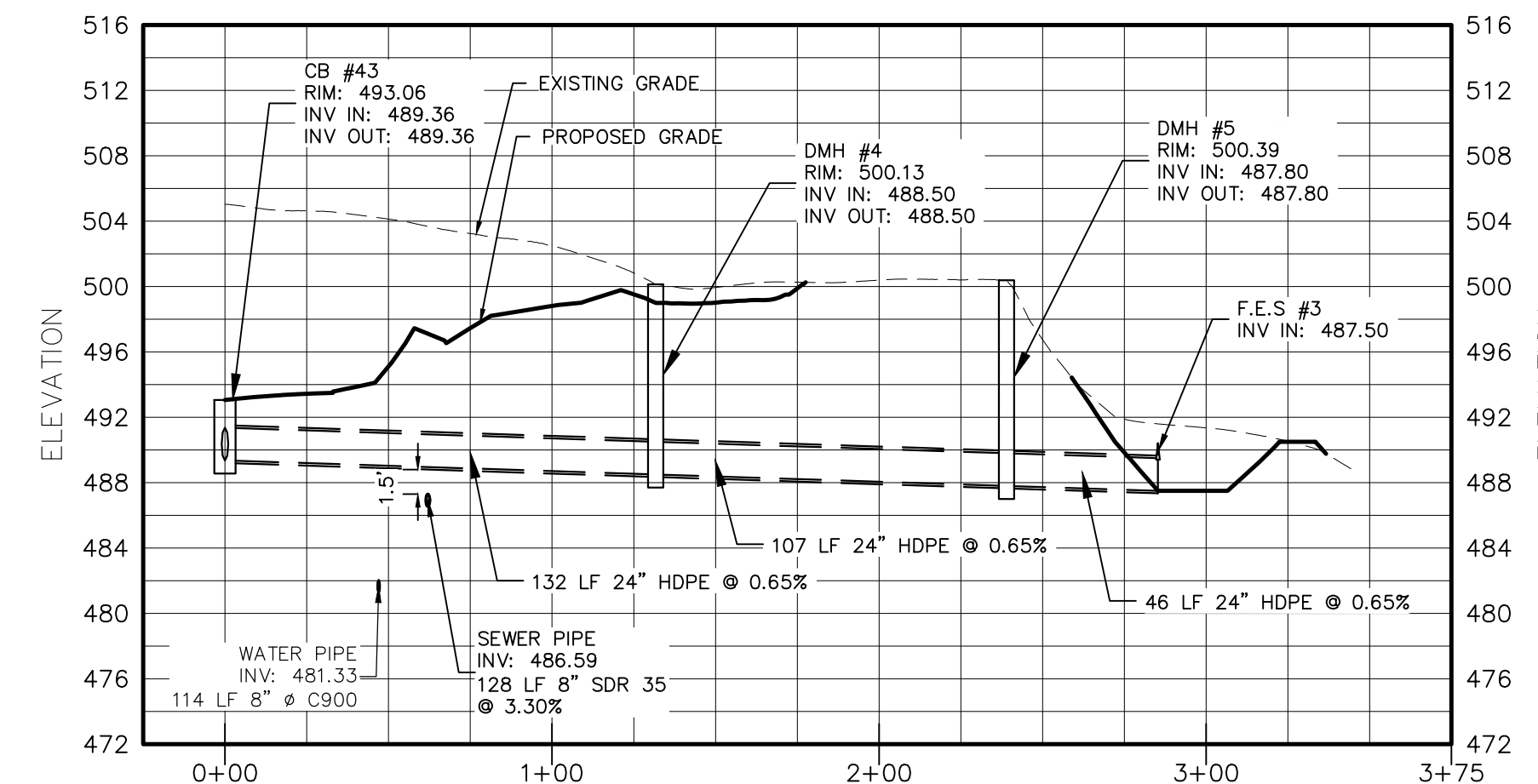
DRAINAGE PLAN-7  
SCALE: 1"=50'



DRAINAGE PLAN-8  
SCALE: 1"=50'



DRAINAGE PROFILE-7  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'



DRAINAGE PROFILE-8  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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SITE PLAN & SUBDIVISION FOR  
VALLEY HEIGHTS  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

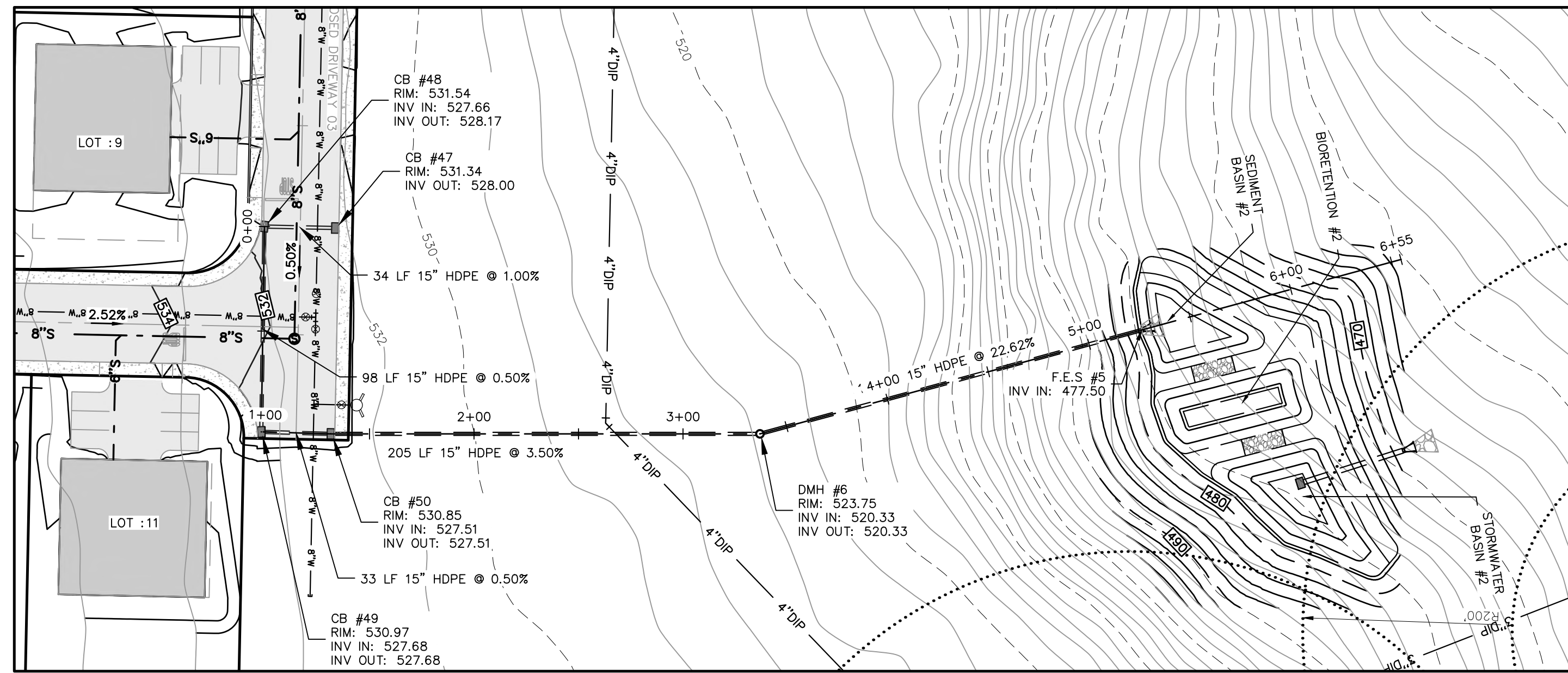
DRAINAGE PROFILE 04

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO. 17 of 29

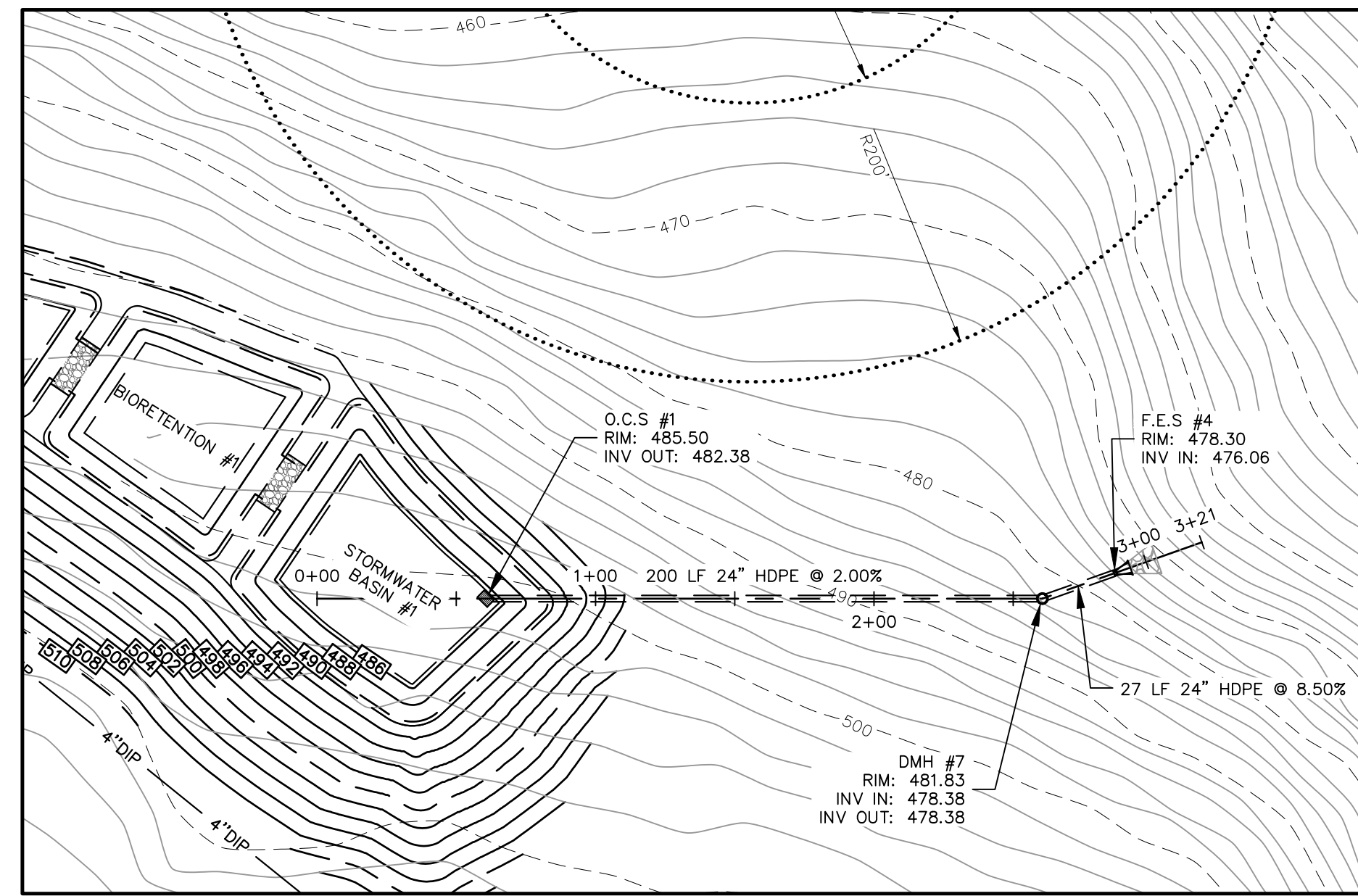
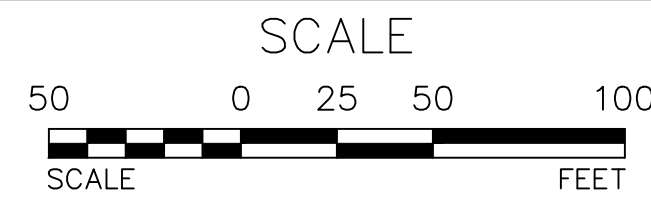
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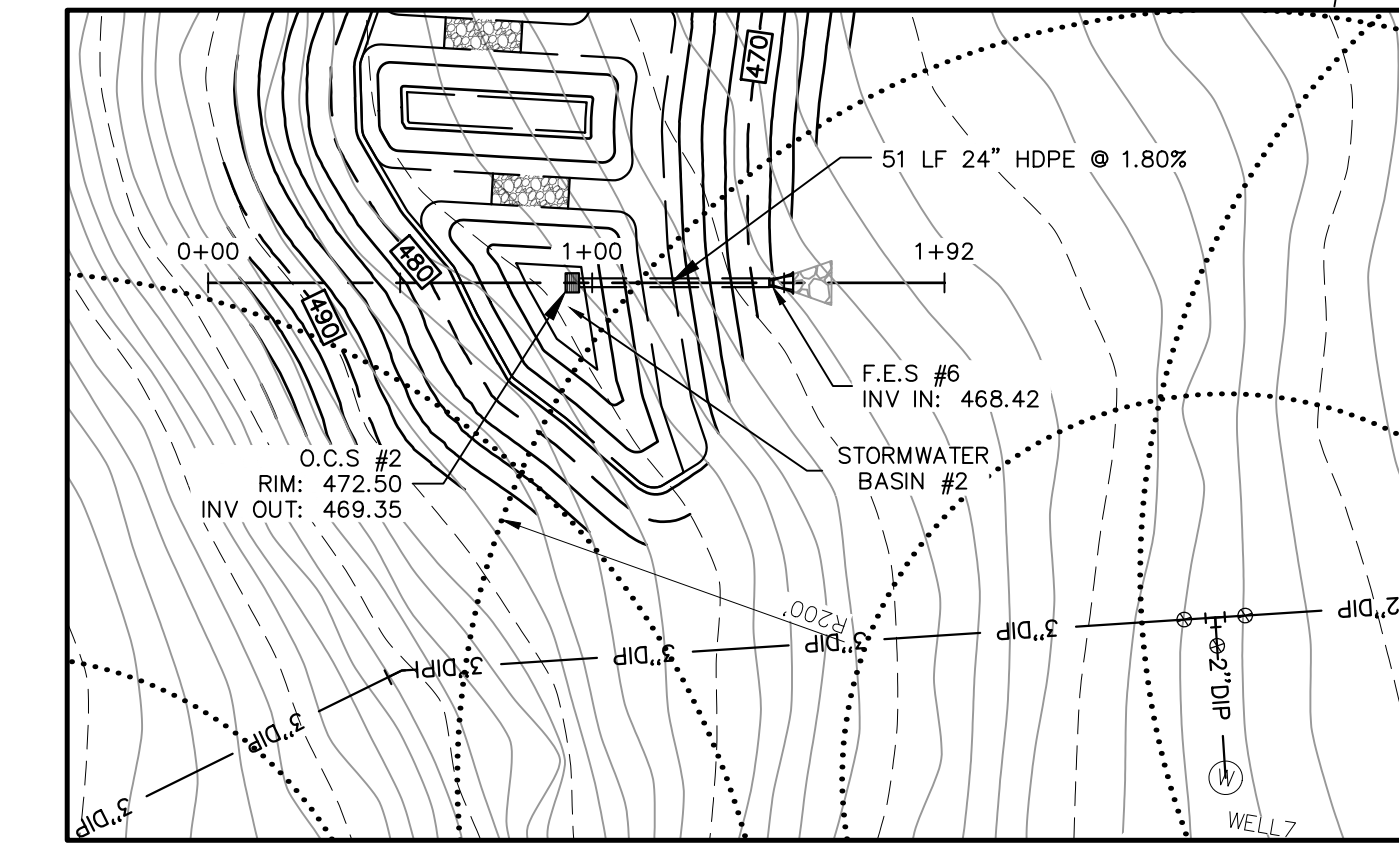
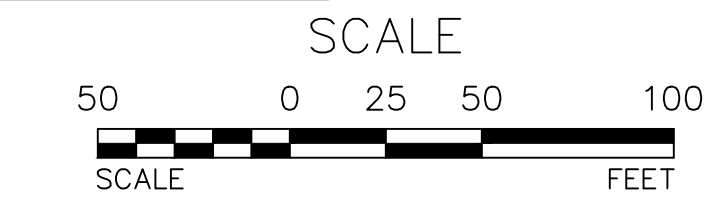
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LIC. NO. 78577



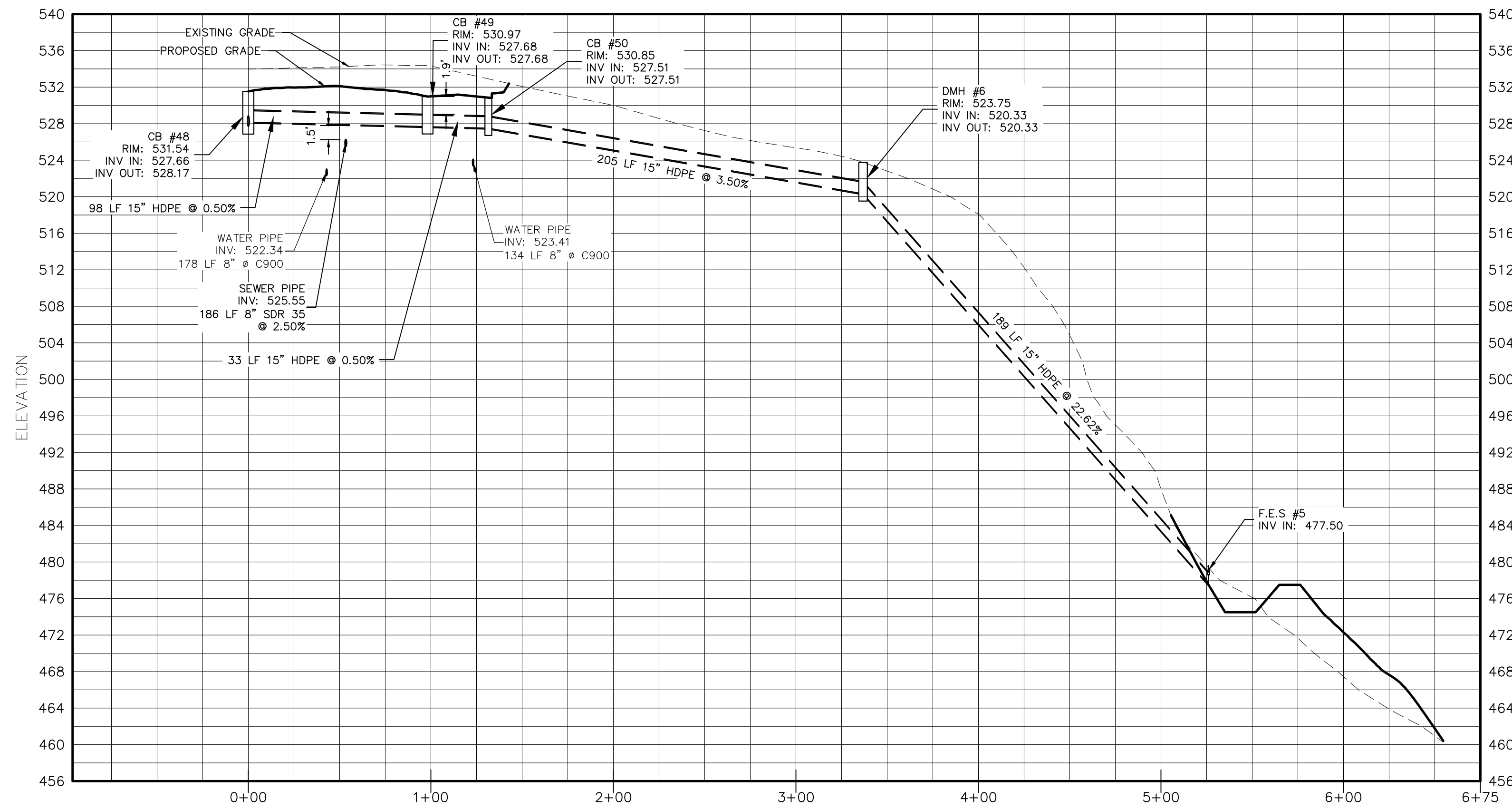
DRAINAGE PLAN-9  
SCALE: 1"=50'



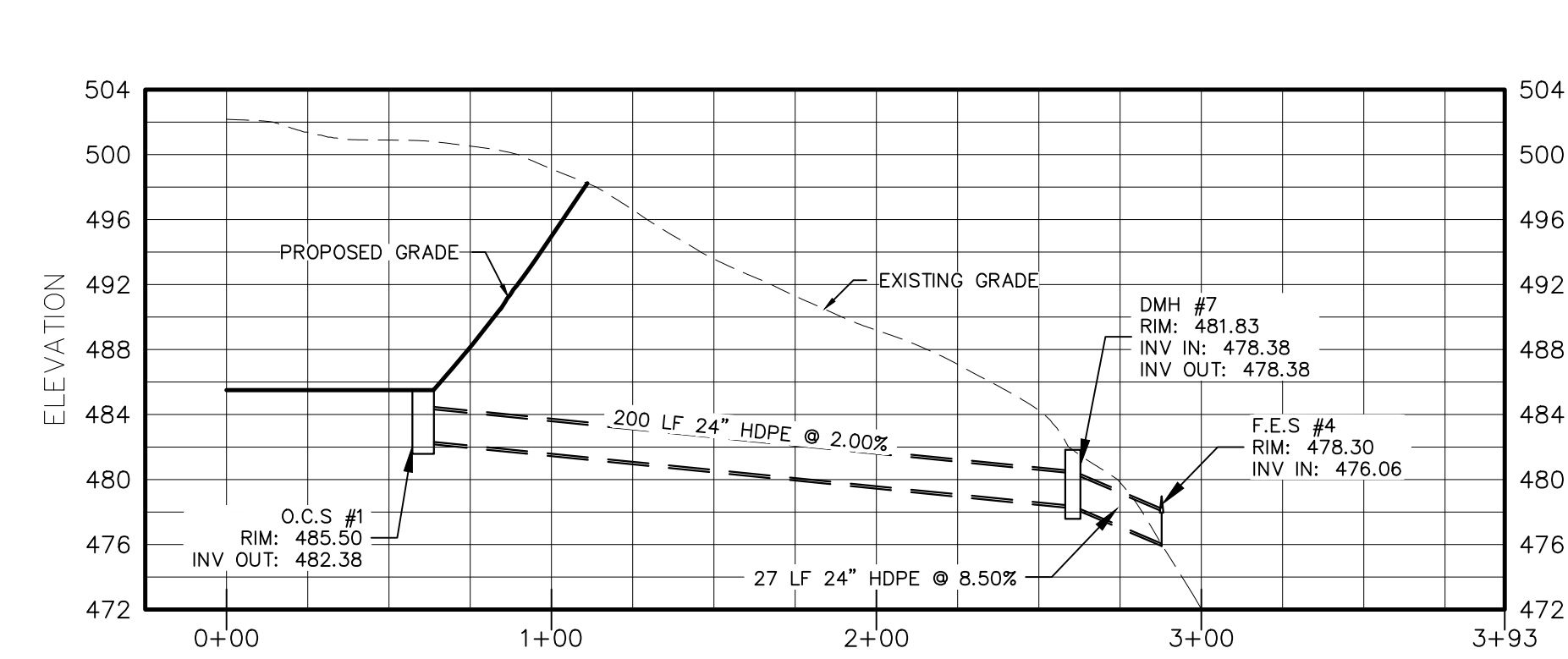
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SCALE: 1"=50'



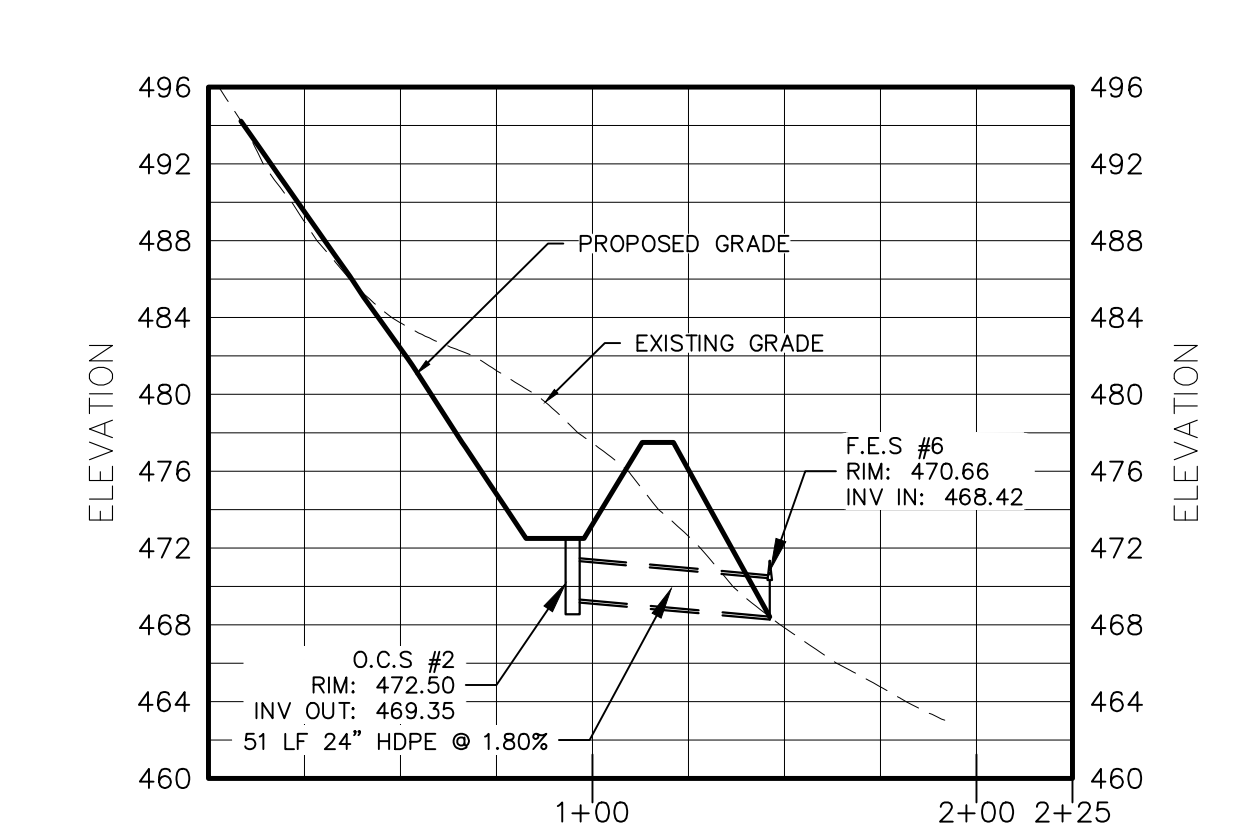
DRAINAGE PLAN-11  
SCALE: 1"=50'



DRAINAGE PROFILE-9  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'



DRAINAGE PROFILE-10  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'



DRAINAGE PROFILE-11  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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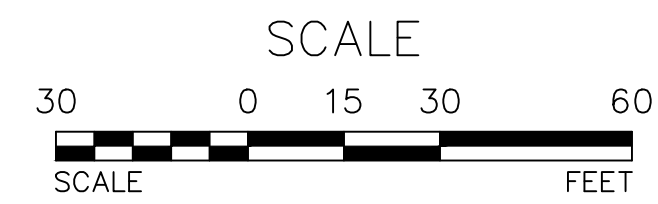
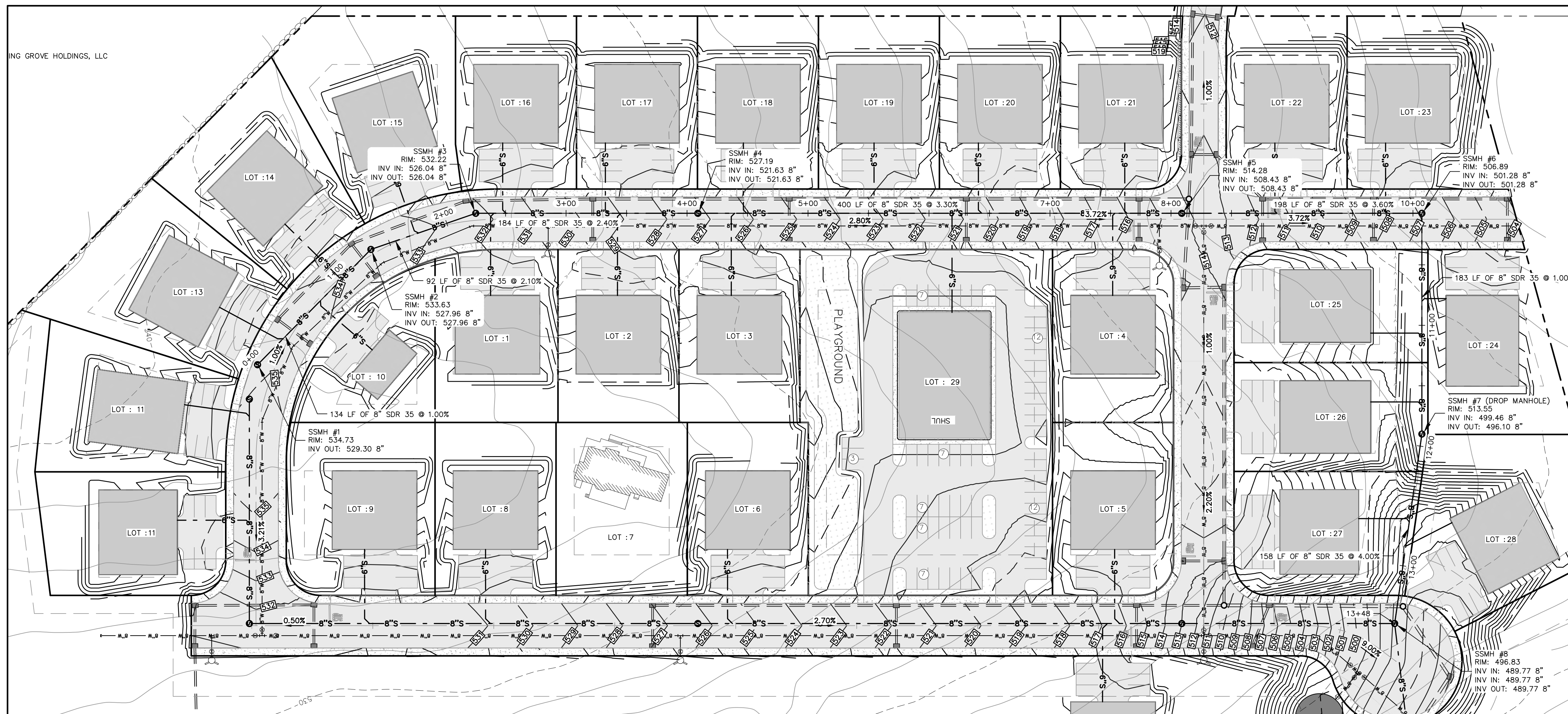
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SITE PLAN & SUBDIVISION FOR  
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ORANGE COUNTY, NY

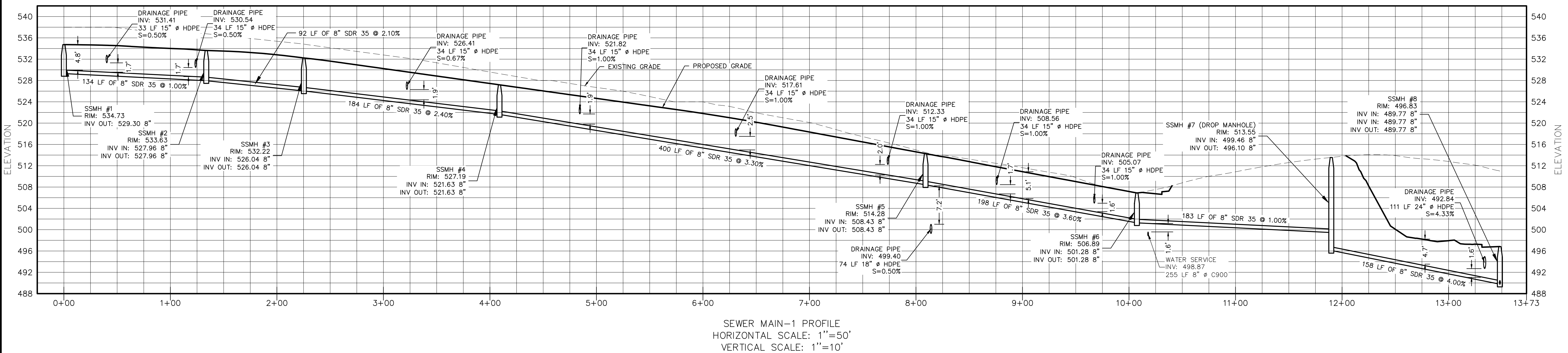
**DRAINAGE PROFILE 05**

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SCALE: AS NOTED  
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SHEET NO. 18 of 29

MICHAEL A. MORGANTE, P.E.  
LIC. NO. 78577



SEWER MAIN PLAN-1  
SCALE: 1"=50'



SEWER MAIN-1 PROFILE  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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SITE PLAN & SUBDIVISION FOR  
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ORANGE COUNTY, NY

**SEWER PROFILE 01**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO. 19 of 29

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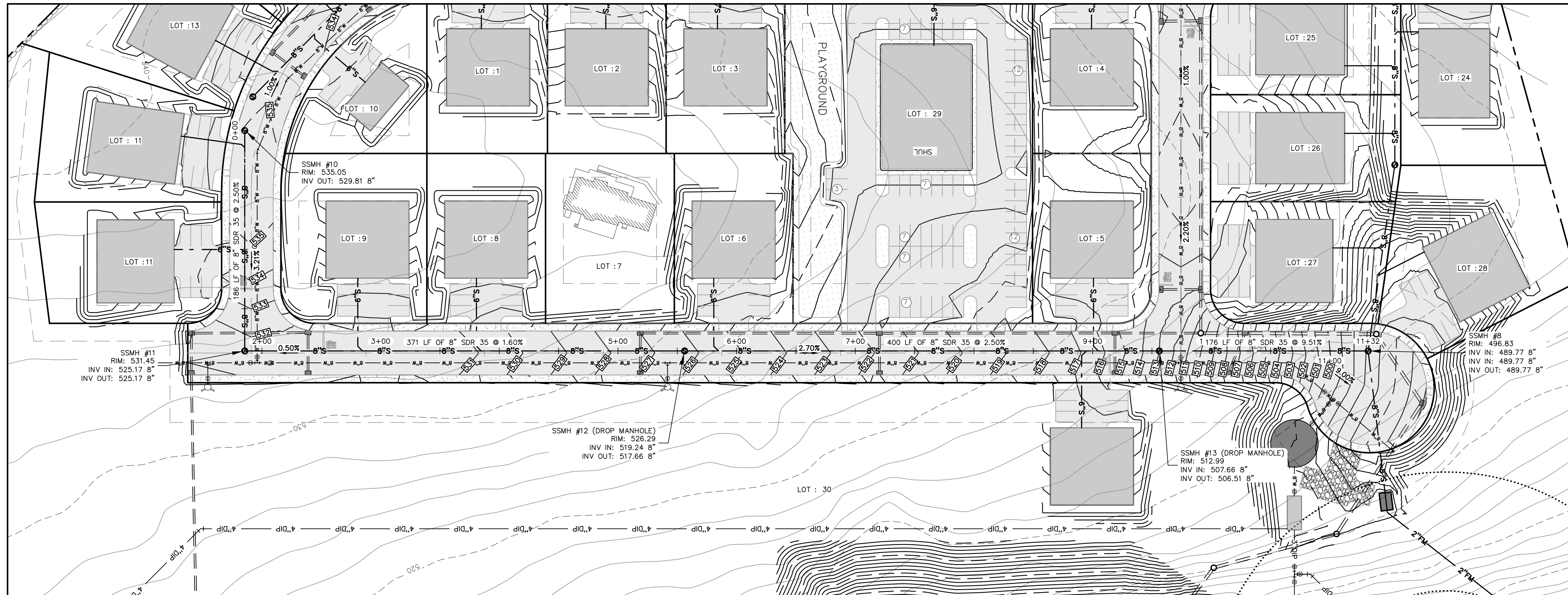
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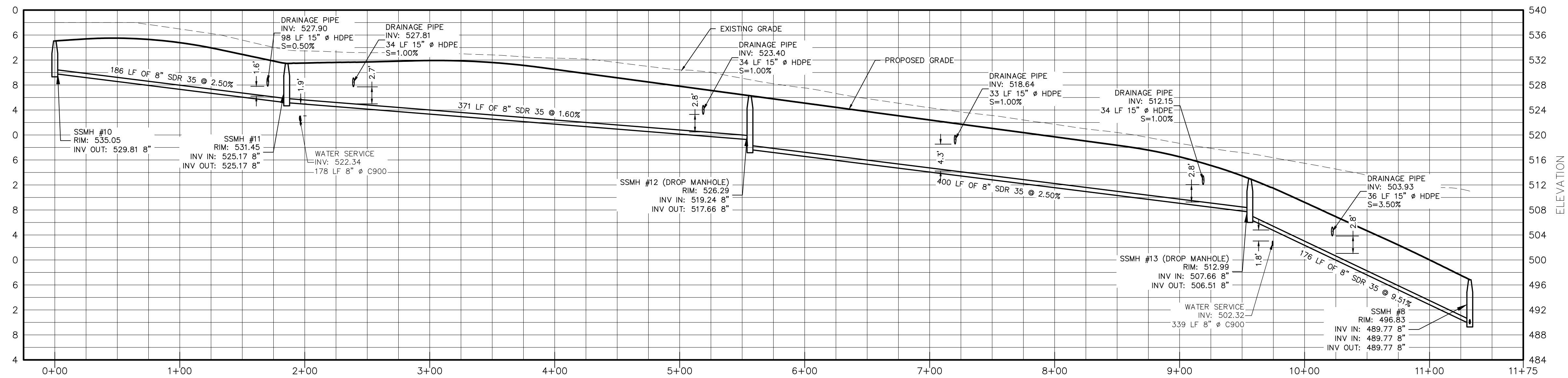
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SEWER MAIN PLAN-2  
SCALE: 1"=50'



SEWER MAIN-2 PROFILE  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

**SEWER PROFILE 02**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO: 20 of 29

REV.	BY	DATE	DESCRIPTION

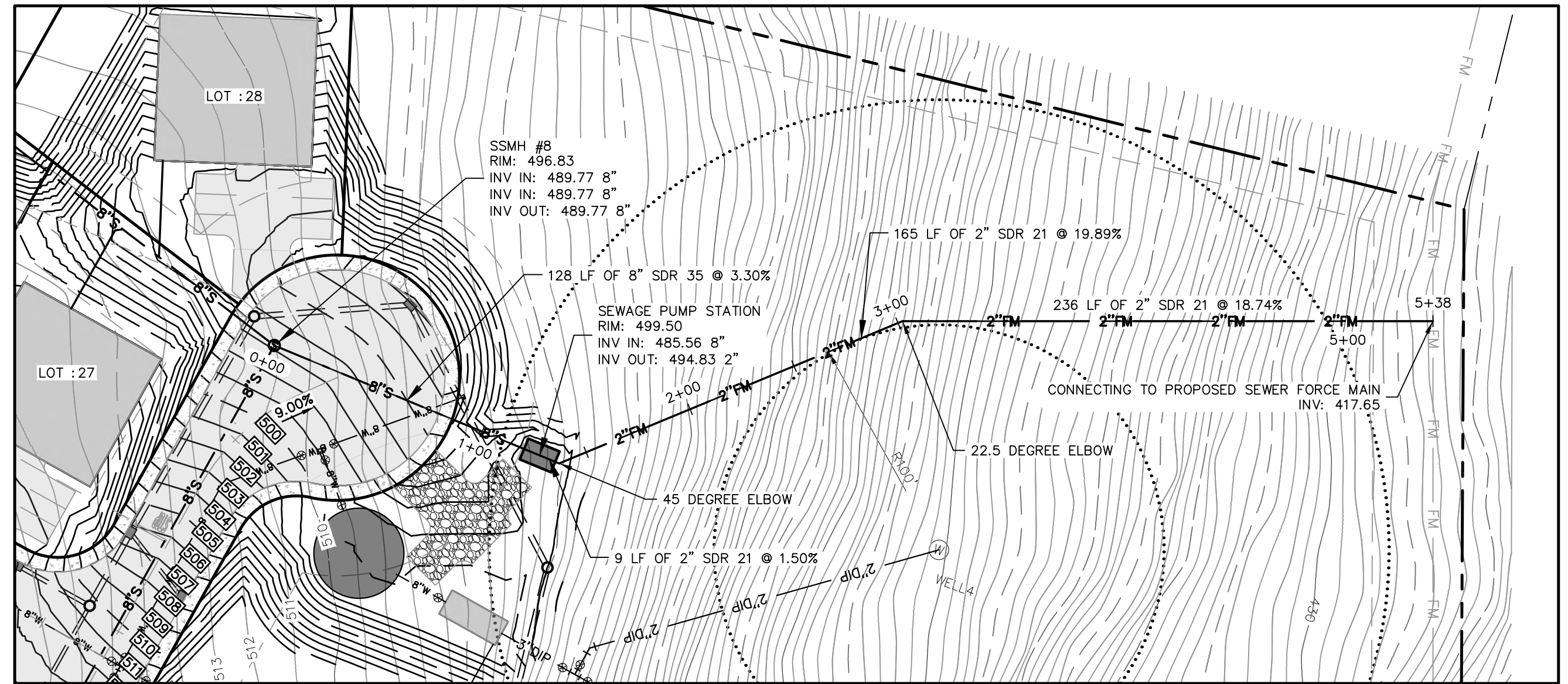
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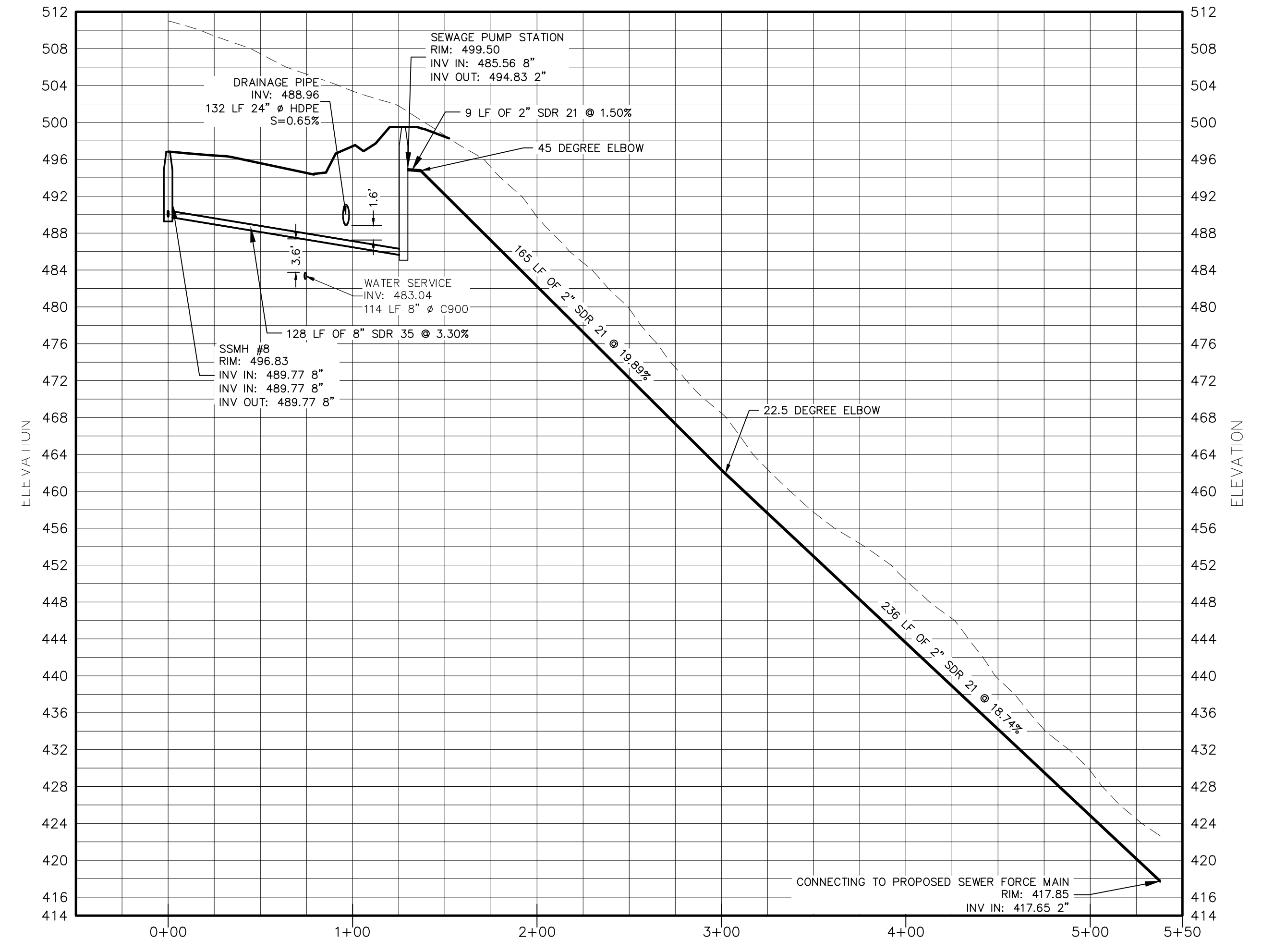
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SEWER MAIN PLAN-3  
SCALE: 1"=50'



SEWER MAIN-3 PROFILE  
HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

REV.	BY	DATE	DESCRIPTION

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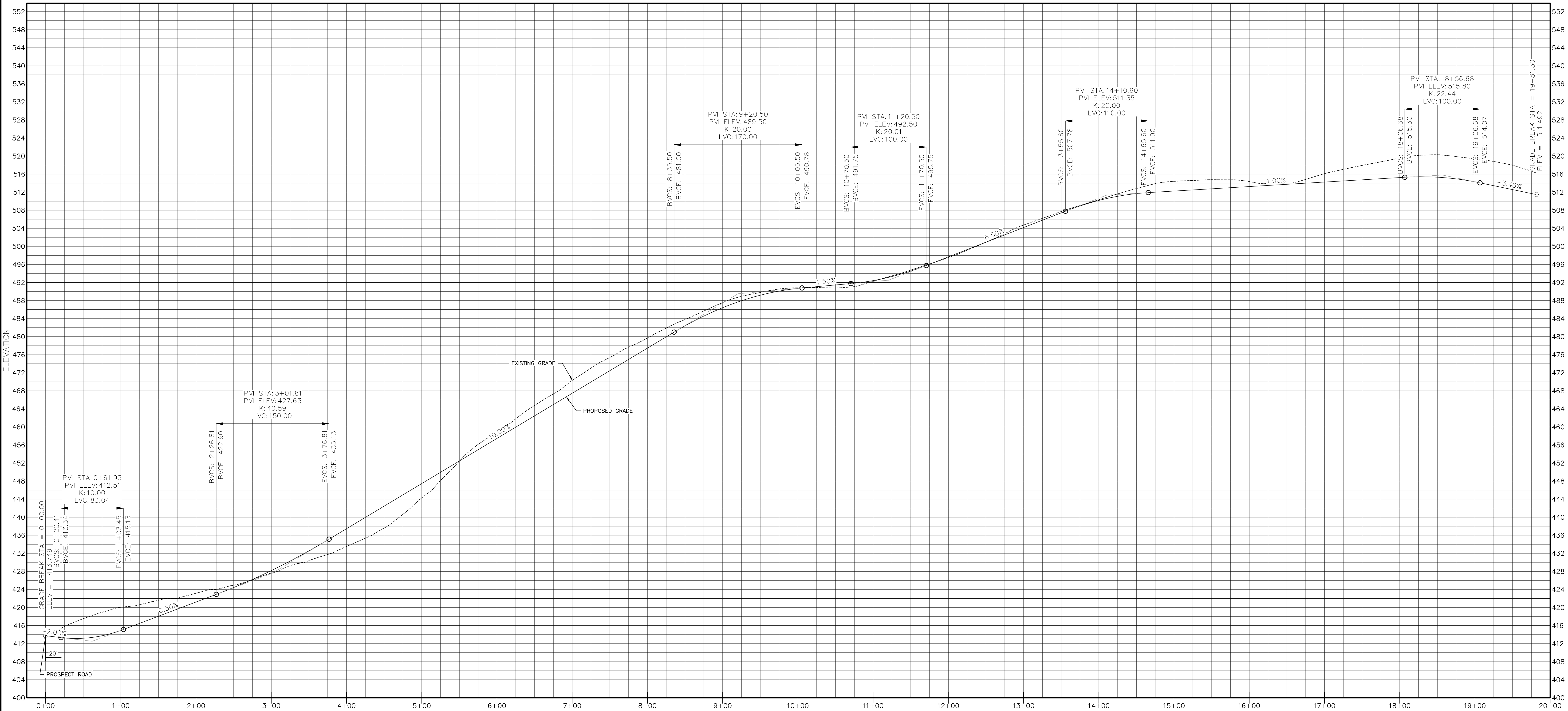
<b>SITE PLAN &amp; SUBDIVISION FOR  VALLEY HEIGHTS  VILLAGE OF SOUTH BLOOMING GROVE  ORANGE COUNTY, NY</b>	JOB#: 22-033 SCALE: AS NOTED DATE: 01-14-25 DRAWN: MM CHECKED: MM SHEET NO. 21 of 29
<b>SEWER PROFILE 03</b>	

MICHAEL A. MORGANTE, P.E.  
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DRIVEWAY 01 - PROFILE  
 HORIZONTAL: 1"=60'  
 VERTICAL: 1"=10'

**TREE CLEARING NOTE:**  
 NO TREE REMOVAL SHALL OCCUR FROM APRIL 1 TO OCTOBER 31 TO MITIGATE POTENTIAL IMPACTS ON INDIANA BAT & NORTHERN LONG EARED BAT.

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

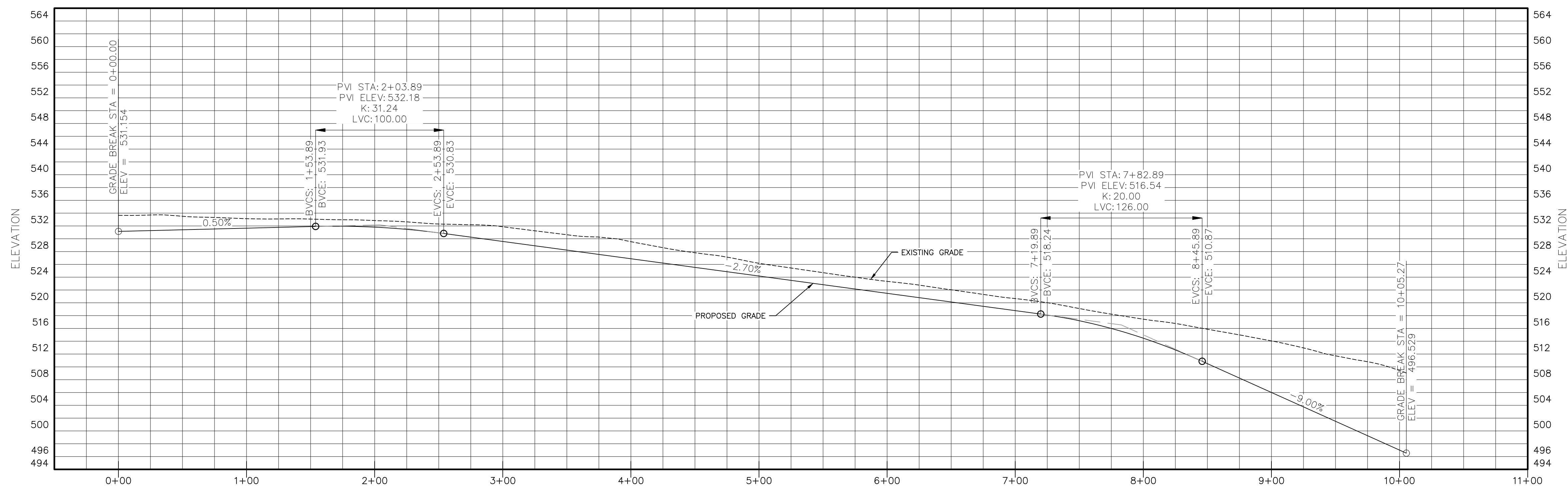
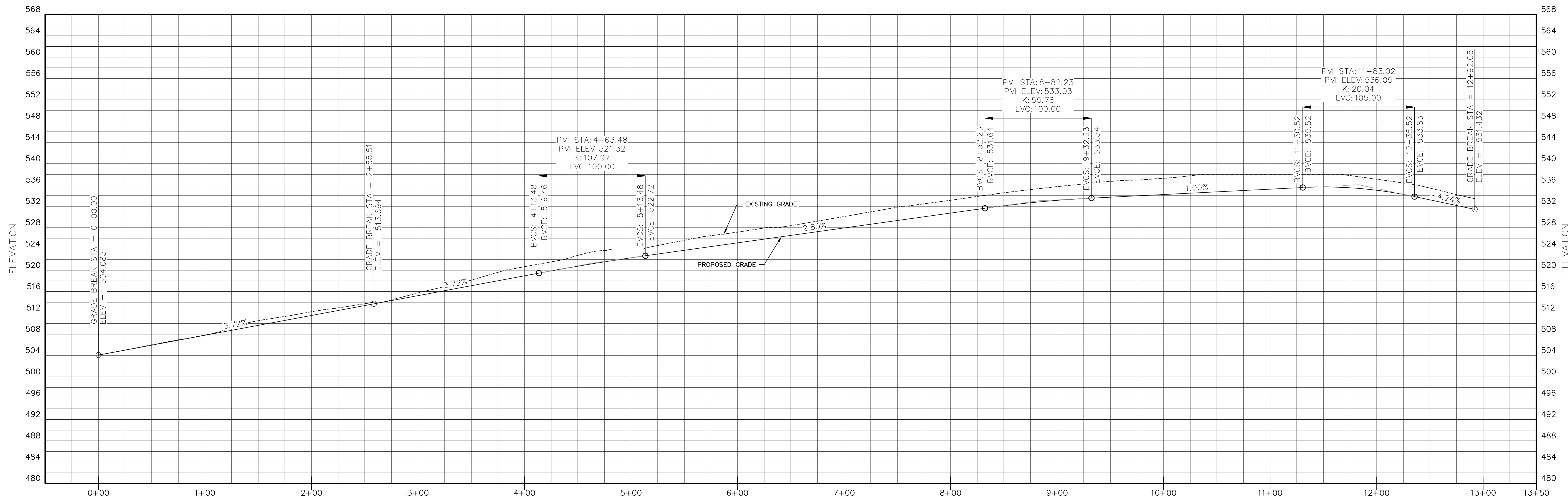
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SITE PLAN & SUBDIVISION FOR <b>VALLEY HEIGHTS</b> VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, NY		JOB#: 22-033 SCALE: AS NOTED DATE: 01-14-25 DRAWN: MM CHECKED: MM SHEET NO: 22 of 29
<b>DRIVEWAY PROFILE 01</b>		MICHAEL A. MORGANTE, P.E. LIC. NO. 78577

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
 VILLAGE OF SOUTH BLOOMING GROVE  
 ORANGE COUNTY, NY

**DRIVEWAY PROFILE 02**

JOB#: 22-033  
 SCALE: AS NOTED  
 DATE: 01-14-25  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO: 23 of 29

MICHAEL A. MORGANTE, P.E.  
 LIC. NO. 78577

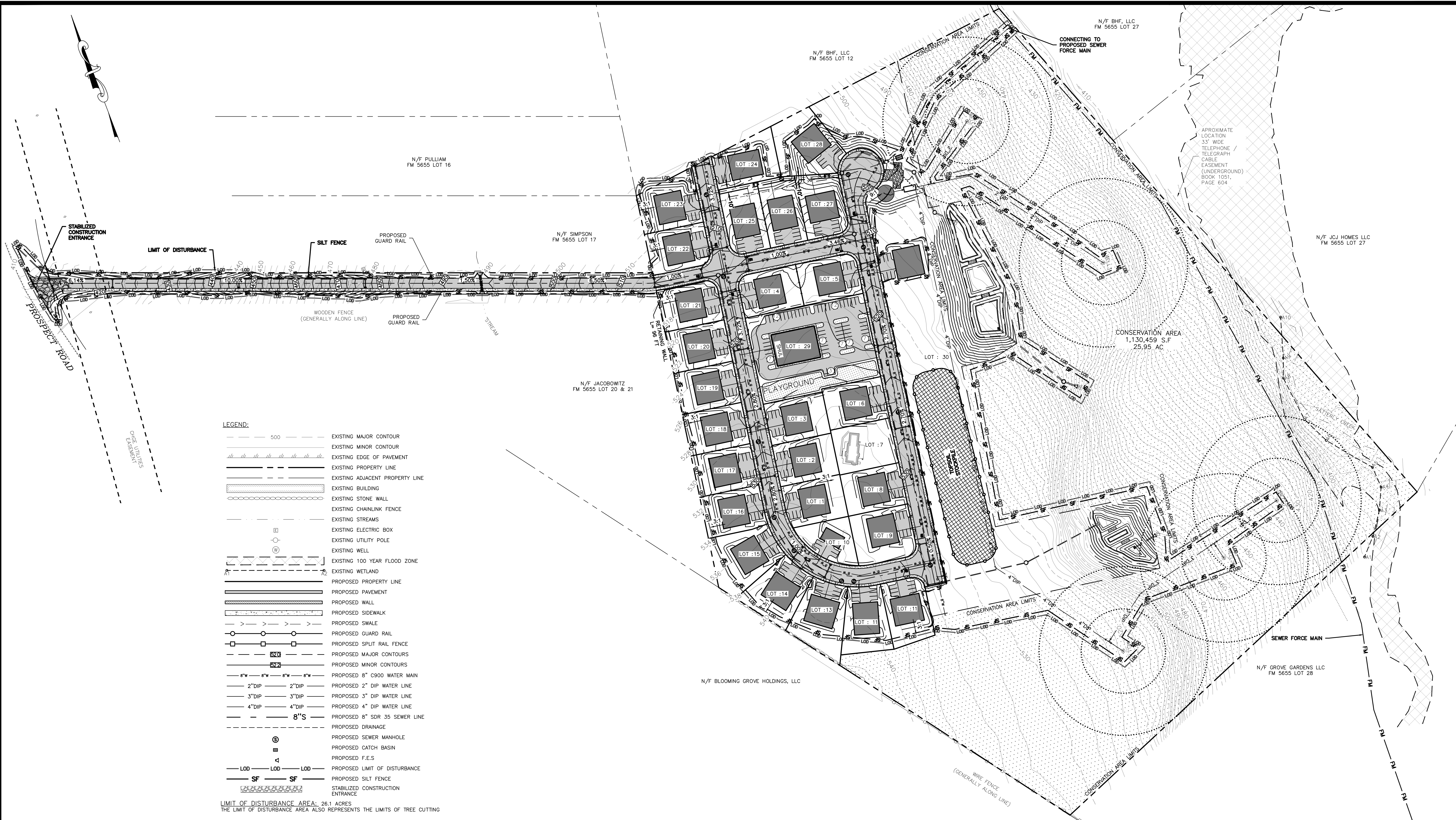
REV.	BY	DATE	DESCRIPTION

**TREE CLEARING NOTE:**  
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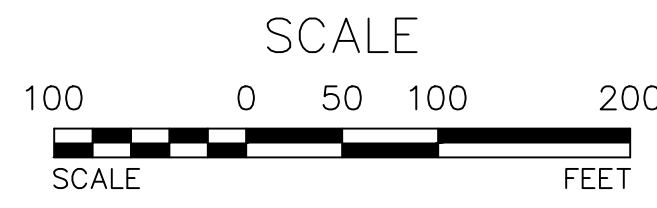
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- LEGEND:**
- 500 --- EXISTING MAJOR CONTOUR
  - --- EXISTING MINOR CONTOUR
  - ||||| EXISTING EDGE OF PAVEMENT
  - --- EXISTING PROPERTY LINE
  - --- EXISTING ADJACENT PROPERTY LINE
  - ▭ EXISTING BUILDING
  - ▭ EXISTING STONE WALL
  - --- EXISTING CHAINLINK FENCE
  - --- EXISTING STREAMS
  - ⊠ EXISTING ELECTRIC BOX
  - ⊙ EXISTING UTILITY POLE
  - ⊙ EXISTING WELL
  - --- EXISTING 100 YEAR FLOOD ZONE
  - --- EXISTING WETLAND
  - --- PROPOSED PROPERTY LINE
  - --- PROPOSED PAVEMENT
  - --- PROPOSED WALL
  - --- PROPOSED SIDEWALK
  - --- PROPOSED SWALE
  - --- PROPOSED GUARD RAIL
  - --- PROPOSED SPLIT RAIL FENCE
  - --- PROPOSED 8" C900 WATER MAIN
  - --- PROPOSED 2" DIP WATER LINE
  - --- PROPOSED 3" DIP WATER LINE
  - --- PROPOSED 4" DIP WATER LINE
  - --- PROPOSED 8" SDR 35 SEWER LINE
  - --- PROPOSED DRAINAGE
  - ⊙ PROPOSED SEWER MANHOLE
  - ⊙ PROPOSED CATCH BASIN
  - ⊙ PROPOSED F.E.S
  - --- PROPOSED LIMIT OF DISTURBANCE
  - --- PROPOSED SILT FENCE
  - --- STABILIZED CONSTRUCTION ENTRANCE

LIMIT OF DISTURBANCE AREA: 26.1 ACRES  
 THE LIMIT OF DISTURBANCE AREA ALSO REPRESENTS THE LIMITS OF TREE CUTTING

EROSION AND SEDIMENT CONTROL PLAN  
 SCALE: 1"=100'



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SITE PLAN & SUBDIVISION FOR <b>VALLEY HEIGHTS</b> VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, NY	JOB#: 22-033 SCALE: AS NOTED DATE: 01-14-25 DRAWN: MM CHECKED: MM SHEET NO. 24 of 29
<b>EROSION AND SEDIMENT CONTROL PLAN</b>	

MICHAEL A. MORGANTE, P.E.  
 LIC. NO. 78577

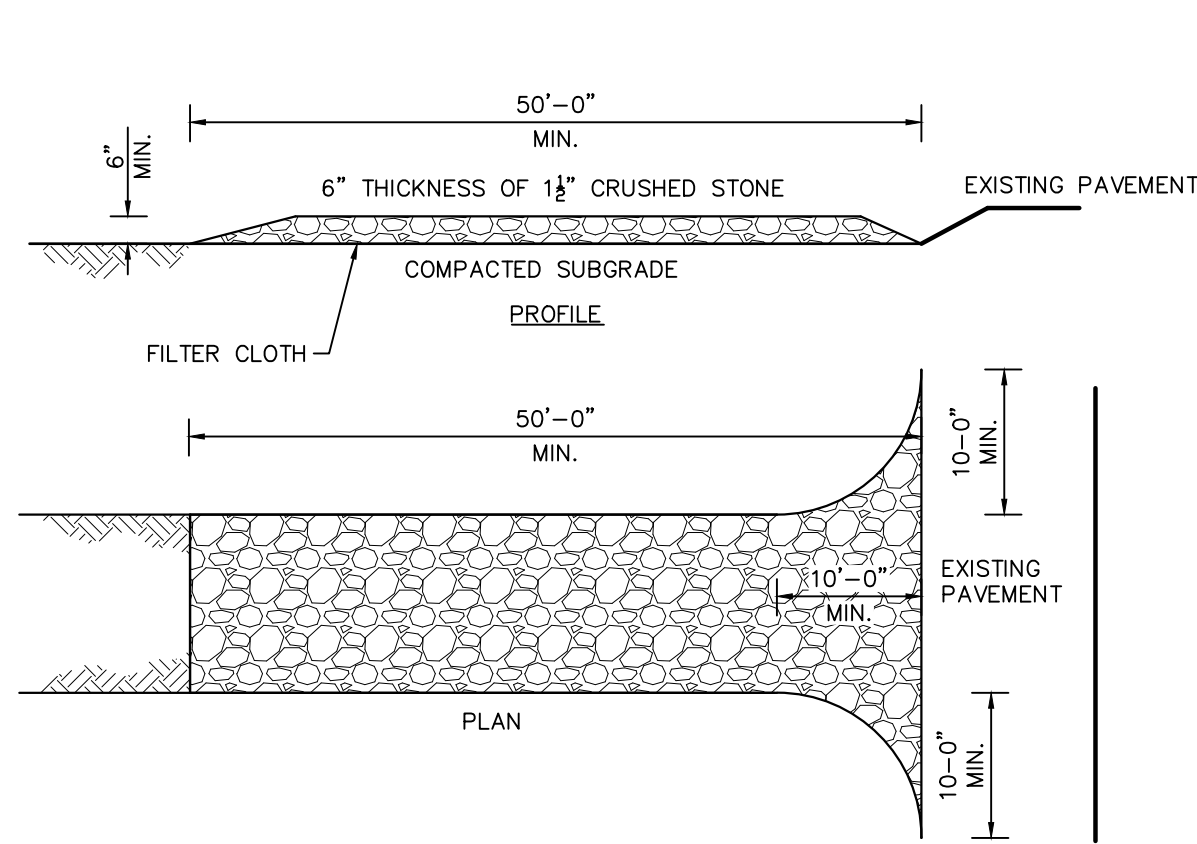
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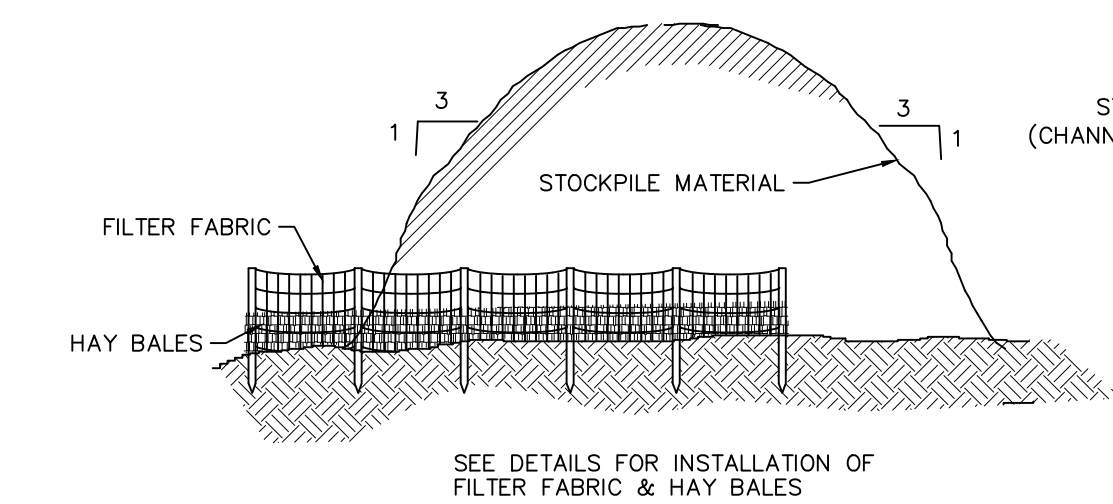
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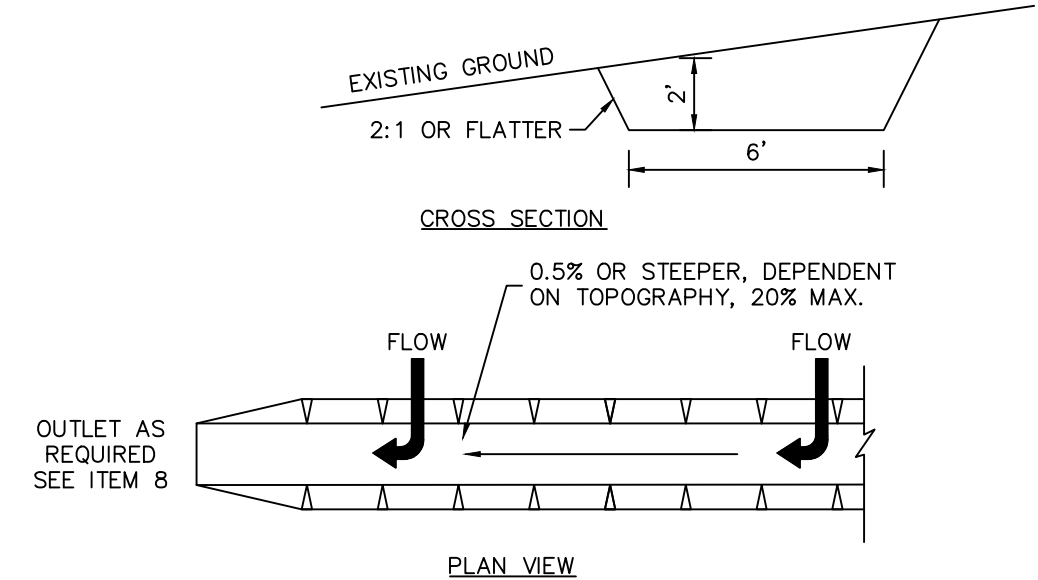


- CONSTRUCTION APPLICATIONS:**
- ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC R.O.W.
  - A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHERE A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. THE BLANKET SHALL BE COMPOSED OF 6" DEPTH OF 1"-1 1/2" CRUSHED STONE, SHALL BE AT LEAST 30'x100' AND SHALL BE PLACED ON COMPACTED SUB-GRADE.
  - A FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
  - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS NOT PRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



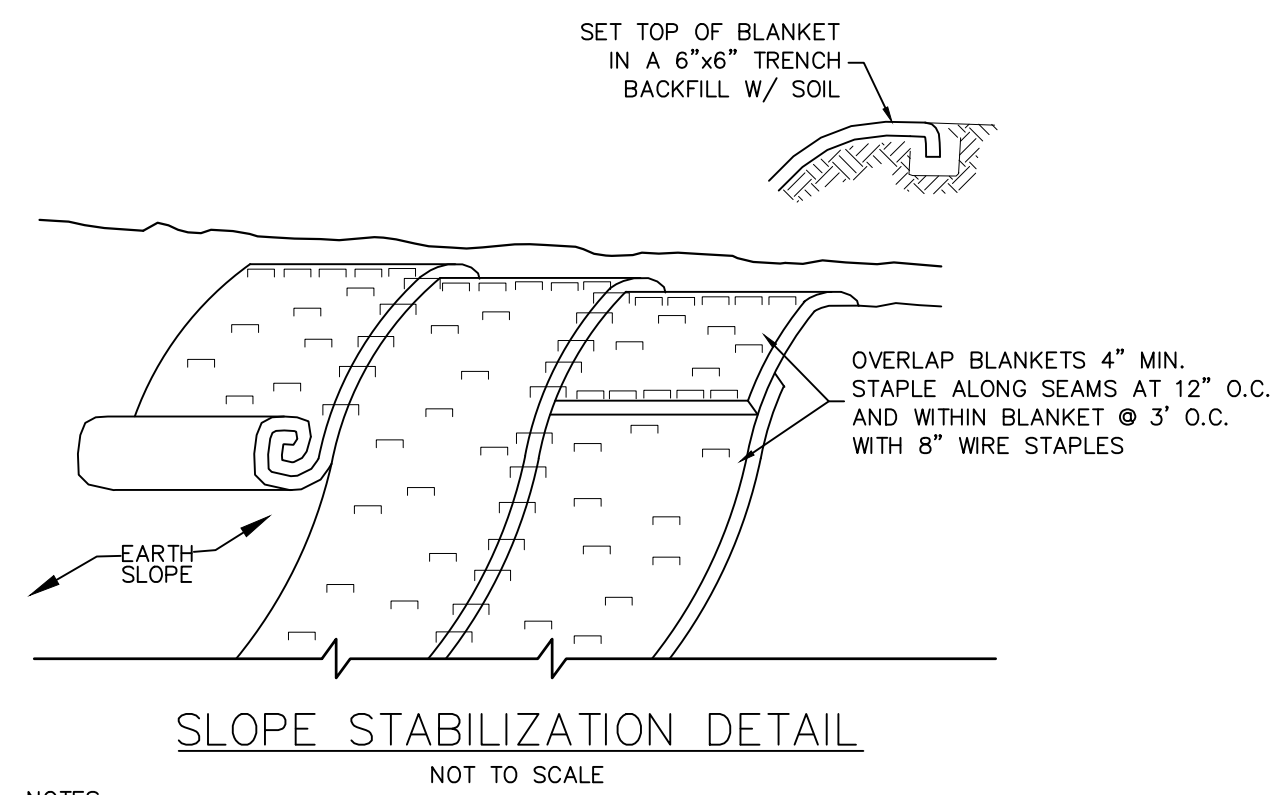
**TYPICAL STOCKPILE DETAIL**  
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
  - DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
  - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
  - ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
  - THE SWALE SHALL BE EXCAVATED TO SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
  - FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
  - ALL EARTH REMOVED AND NOT NEEDED ON CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
  - PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
  - STABILIZATION SHALL BE AS PER THE CHART BELOW:

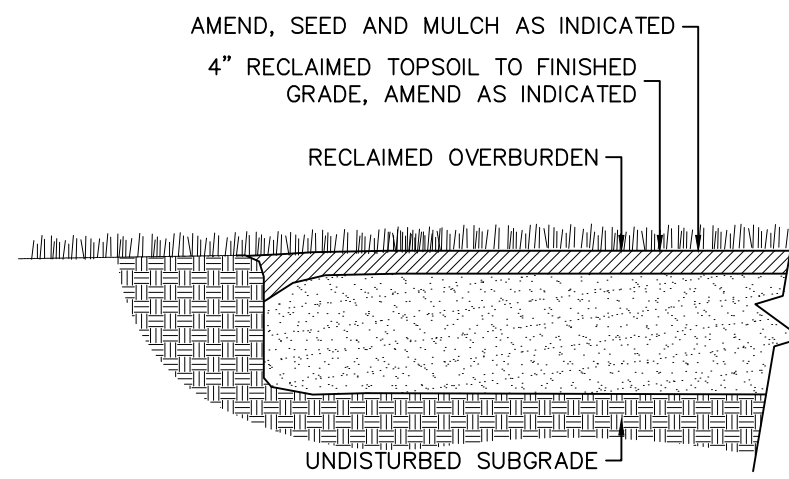
FLOW CHANNEL STABILIZATION			
TYPE OF TREATMENT	CHANNEL GRADE	A (5 AC. OR LESS)	B (5-10 AC.)
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELISOR
3	5.1-8.0%	SEED WITH JUTE OR EXCELISOR; SOD	LINED RIP-RAP 4-8" RECYCLED CONCRETE EQUIVALENT
4	8.1-20%	LINED 4-8" RIP-RAP	ENGINEERED DESIGN

**TEMPORARY DIVERSION SWALE**  
NOT TO SCALE



**SILT FENCE DETAIL**  
NOT TO SCALE

- NOTES:**
- STABILIZE PREPARED EARTHEN SLOPE WITH A BIODEGRADABLE NATURAL FIBER NETTING APPROVED TYPES ARE AS FOLLOWS:  
-CS50-NORTH AMERICAN GREEN #1-800-772-2040  
-ECCOIR 9000-EASTERN PRODUCTS, INC. #1-201-234-5050  
-ERO-MAT V125C-EROSION CONTROL TECH. #1-800-245-0551  
-ALL SLOPE RESTORATION TO GET 4" TOPSOIL
  - SEED SLOPE PRIOR TO INSTALLING EROSION CONTROL NETTING.
  - AFTER NETTING IS INSTALLED, PLANT GRASS-COVER, TREES & FORSYTHIA THROUGH SLITS CUT IN FABRIC.



- NOTES:**
- ESTABLISH SUBGRADE 4" BELOW FINISHED GROUND ELEVATION. REMOVE ALL SURFACE STONES 6" OR LARGER IN TOP 1' OF SOIL SCARIFY AS REQUIRED.
  - PLACE 4" SCREENED TOPSOIL TO FINISHED GRADE. RAKE AND REMOVE ALL SURFACE STONES LARGER THAN 3/4" DIAMETER.
  - AMEND SOIL AS REQUIRED BY PLACING LIME TO A PH OF 6.0. FERTILIZE AT A RATE OF 800#/AC OF 5-10-10 FERTILIZER, IF NEEDED.
  - REGULARLY WATER AND MAINTAIN SEEDED AREAS UNTIL VEGETATION IS ESTABLISHED. CORRECT BARREN OR WASHED OUT AREAS AS NEEDED.

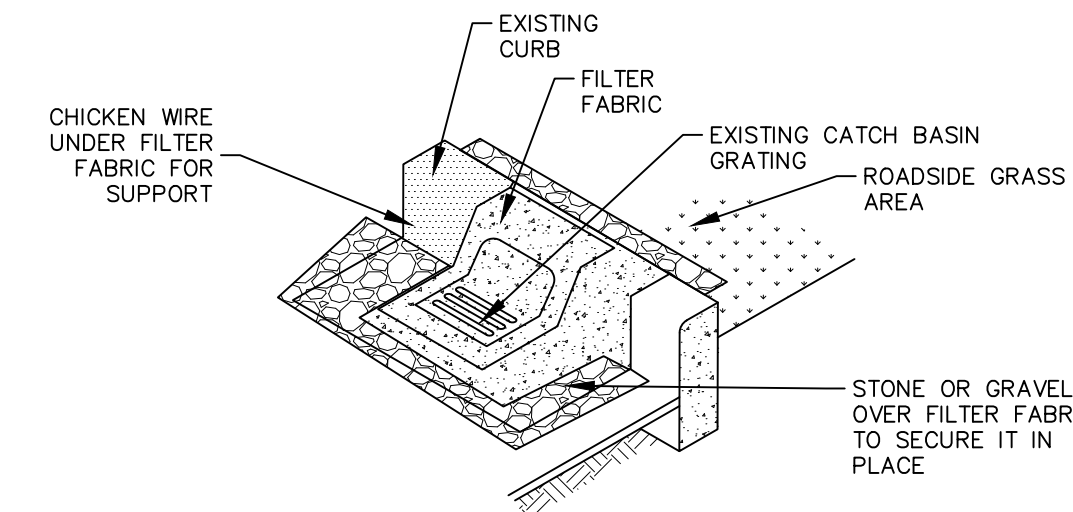
**RECLAMATION, TOPSOIL & SEEDING DETAIL**  
NOT TO SCALE

FENCE PROPERTIES	MINIMUM VALUE	STANDARD
GRAB TENSILE STRENGTH (LBS)	90	ASTM D1682
ELONGATION AT FAILURE (%)	50	ASTM D1682
MULEN BURST STRENGTH (PSI)	190	ASTM D1682
PUNCTURE STRENGTH (LBS)	40	ASTM D751 (MODIFIED)
SLURRY FLOW RATE (GAL/MIN/SF)	0.3	
EQUIVALENT OPENING SIZE	40-80	US STD SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY (%)	90	ASTM G-26

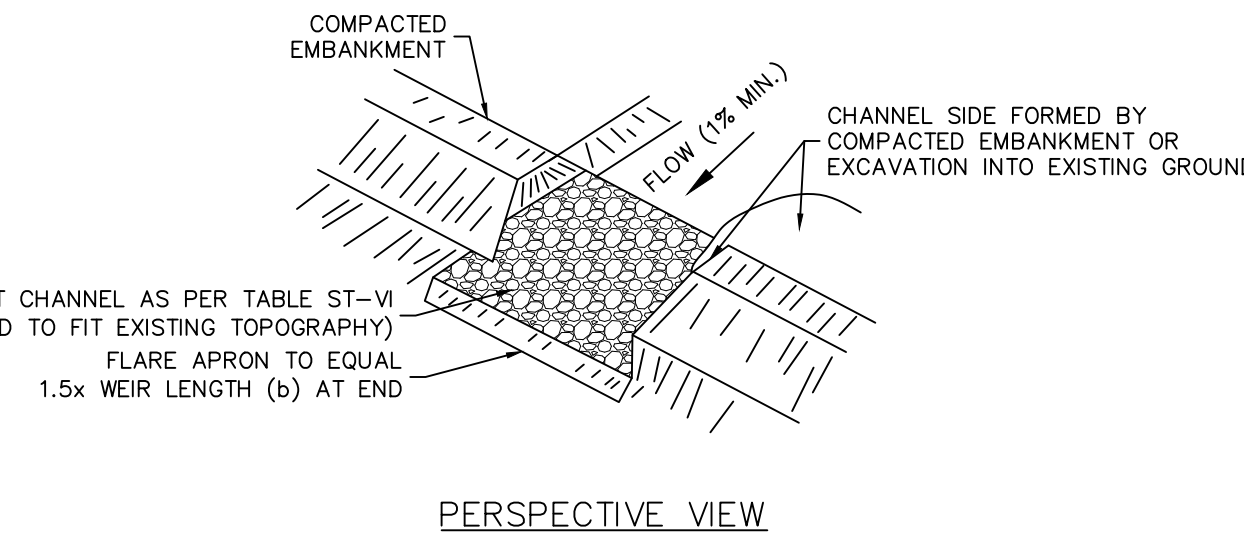
SLOPE STEEPNESS	MAXIMUM FENCE SPACING (FT)
2:1	50
3:1	75
4:1	125
5:1	175
FLATTER THAN 5:1	200

- NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - ALL SILT FENCES SHALL RUN PARALLEL TO THE CONTOUR OF THE LAND.
  - ALL SILT FENCING SHALL MEET THE MINIMUM REQUIREMENTS AS STATED UNLESS OTHERWISE NOTED AND APPROVED BY THE BUILDING INSPECTOR AND ENGINEER.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

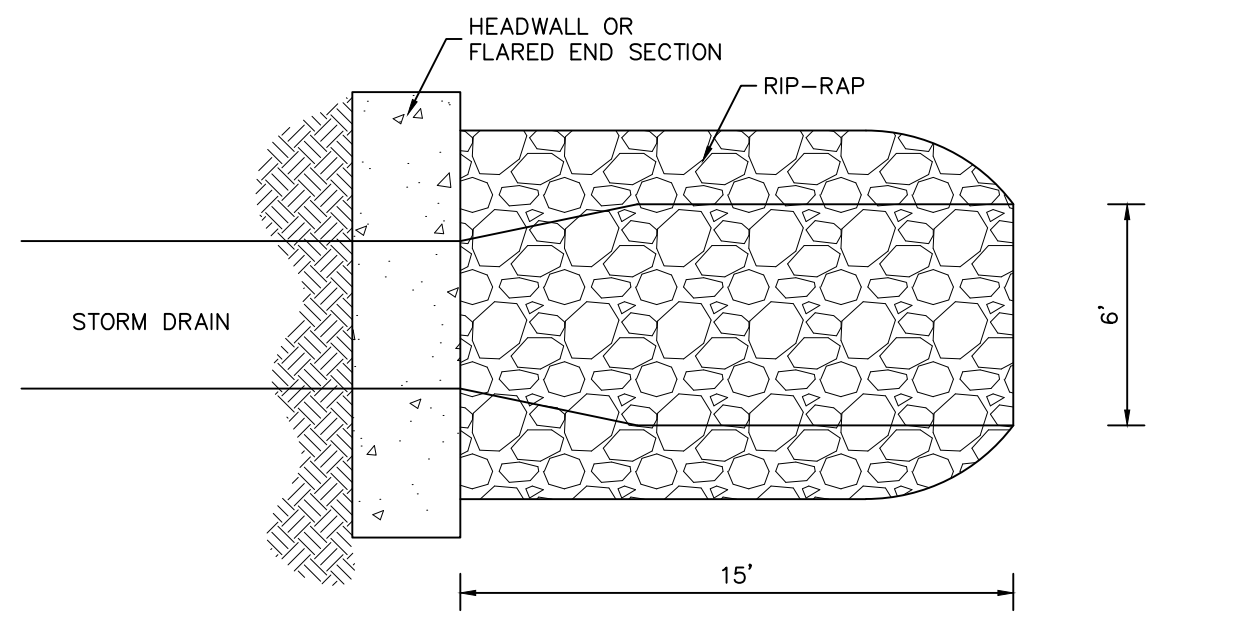


**CATCH BASIN PROTECTION**  
NOT TO SCALE

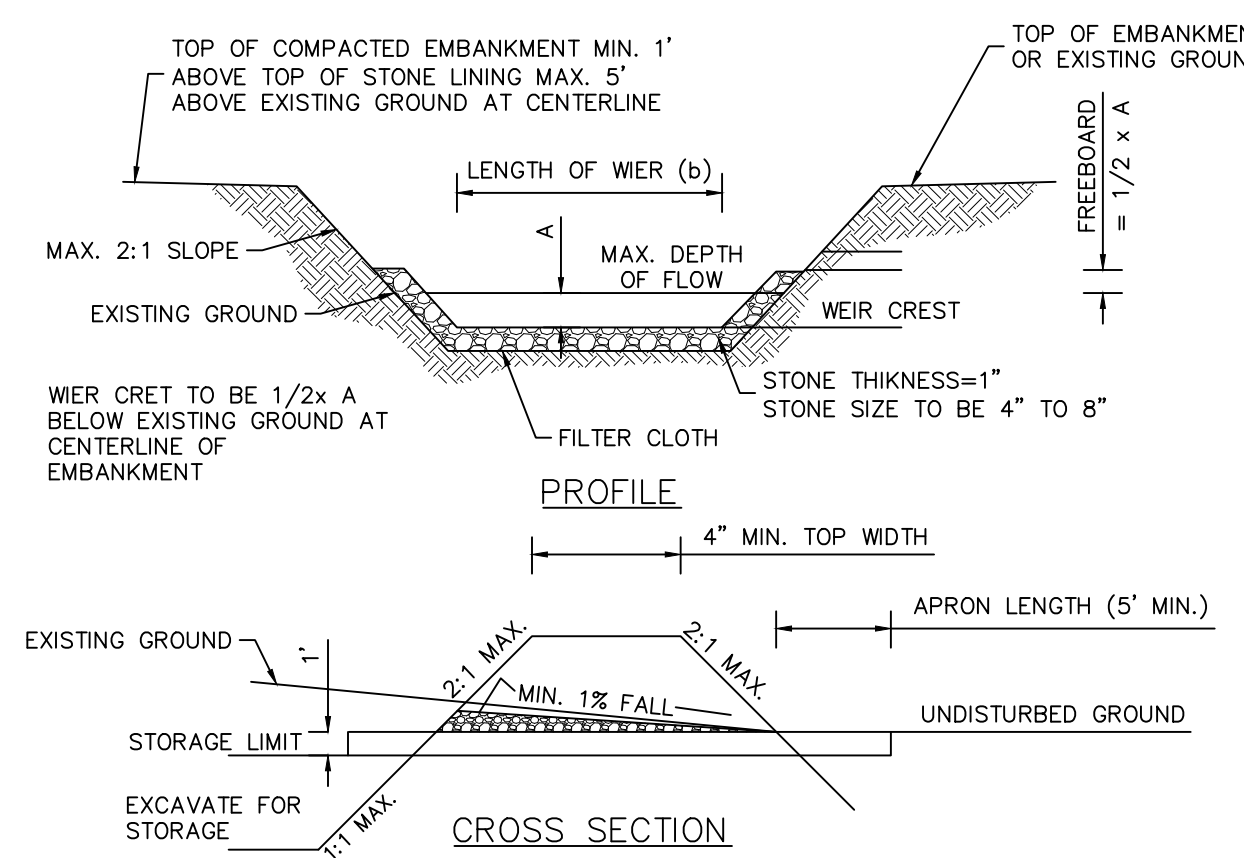
- NOTES:**
- CONTRACTOR IS TO CLEAN CATCH BASIN PROTECTION AFTER EVERY STORM.
  - FILTER FABRIC SHALL BE "MIRAFIT" 140N OR EQUAL.



**PERSPECTIVE VIEW**



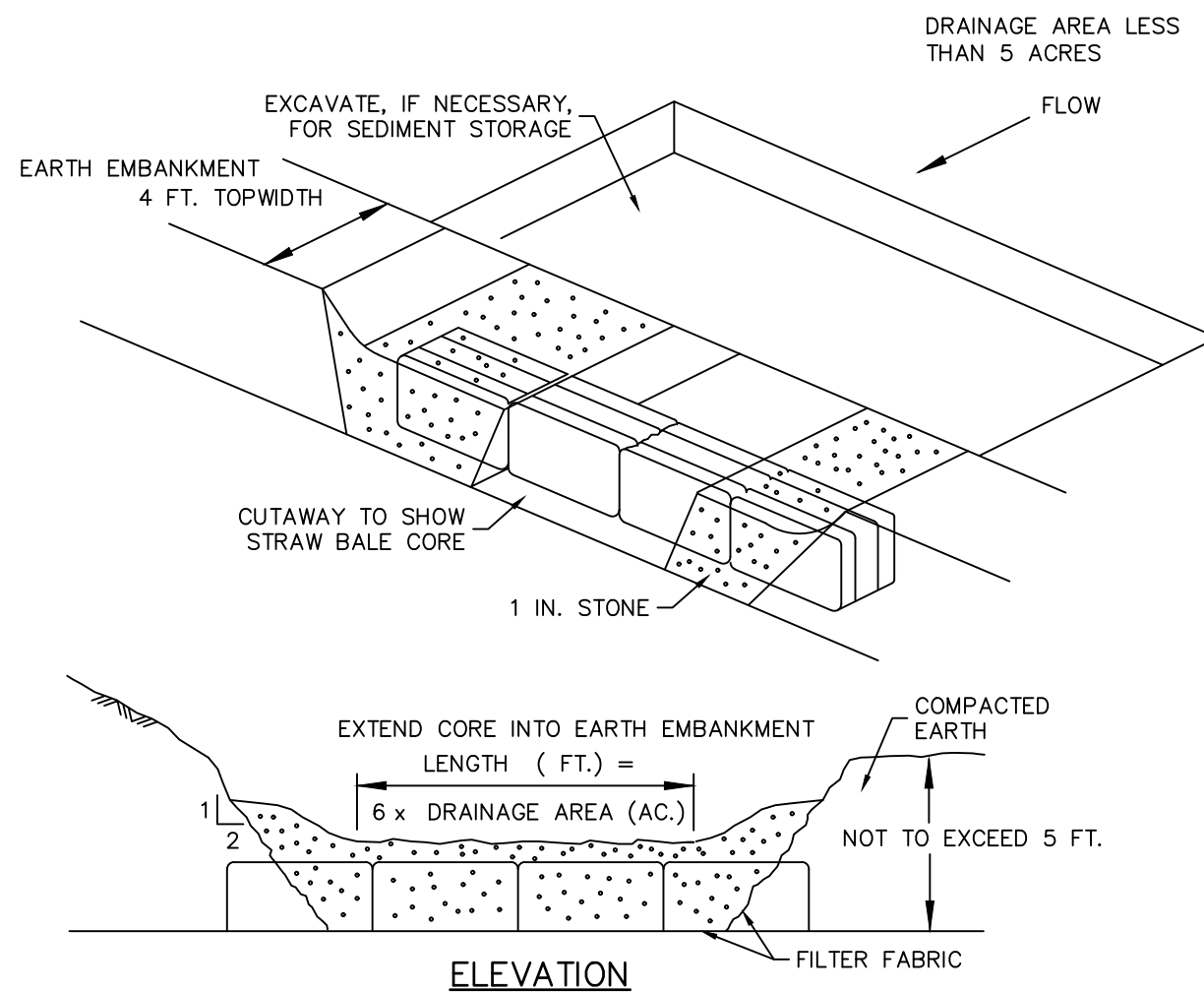
**PROFILE**



**RIp-RAP OUTLET SEDIMENT TRAP**  
MAX DRAINAGE AREA-15 AC.  
NOT TO SCALE

**SEDIMENT TRAP CRITERIA**

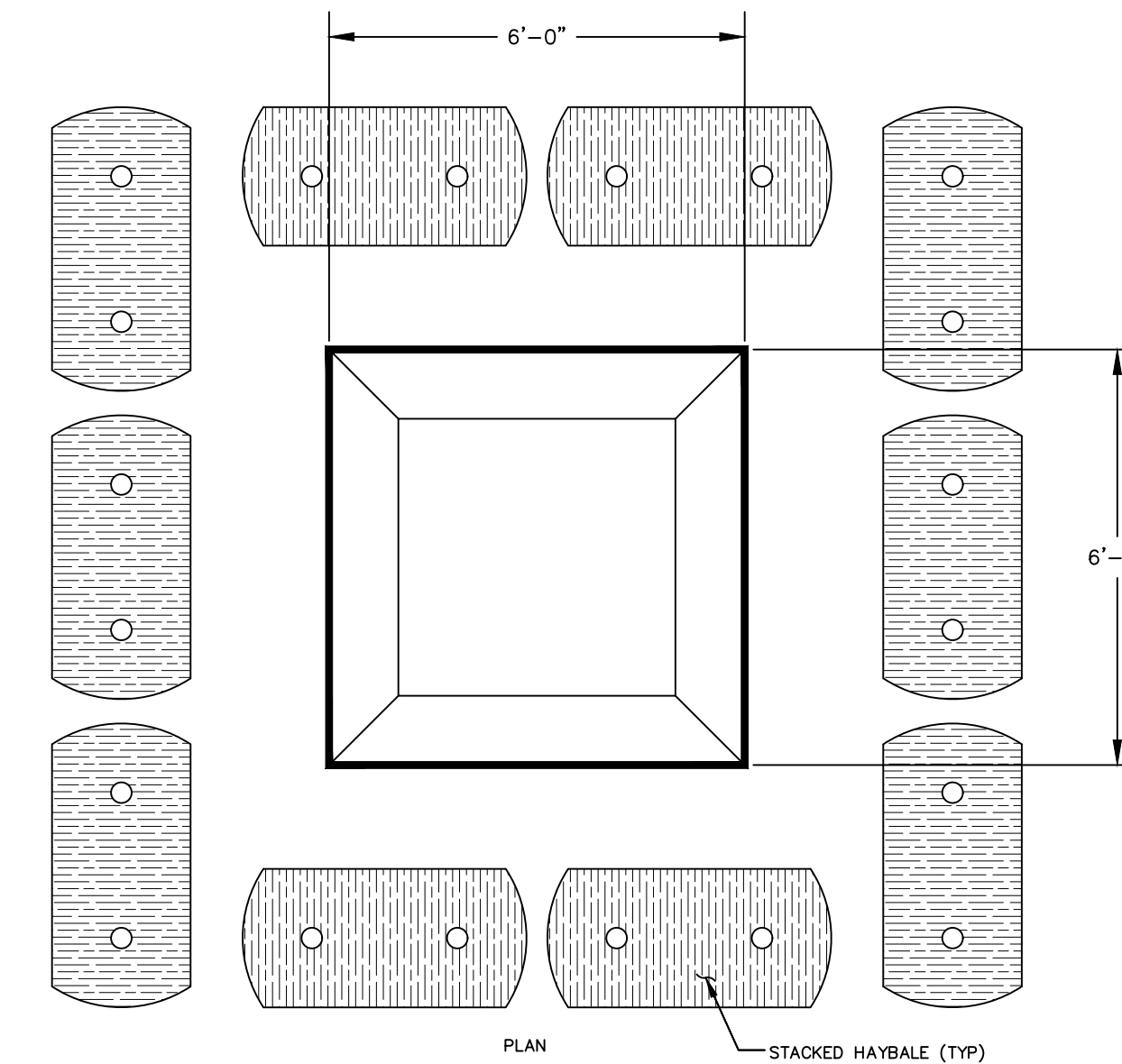
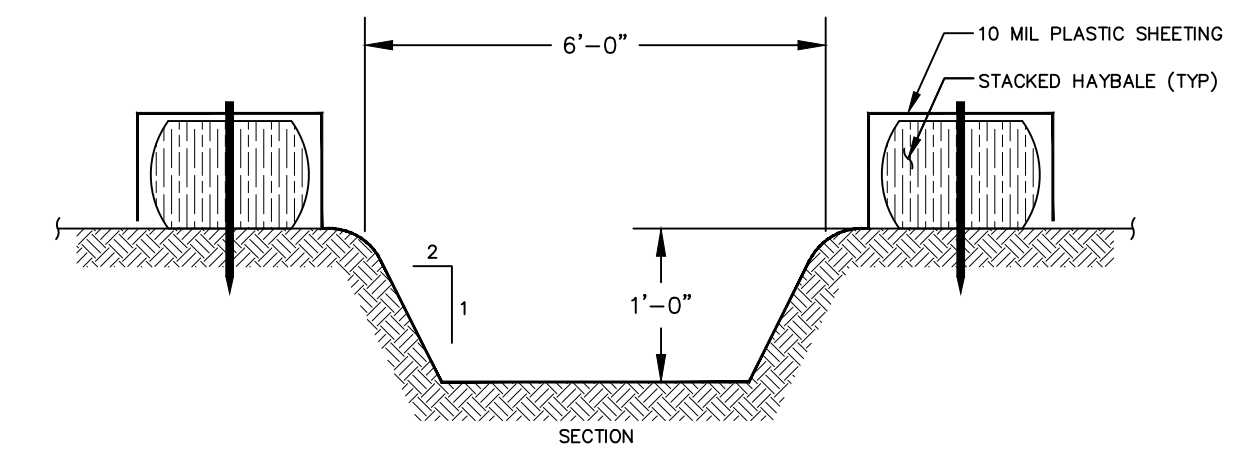
TRAP TYPE	TRAP #2 PHASE II	TRAP #3 PHASE III	TRAP #4 PHASE IV
DRAINAGE AREA	5.6± ACRES	1.4± ACRES	3.9± ACRES
STORAGE REQUIRED	11,520 CU. FT.	8,100 CU. FT.	8,100 CU. FT.
STORAGE PROVIDED	15,900 CU. FT.	9,000 CU. FT.	9,000 CU. FT.
DIMENSIONS AT "AVE." WATER HEIGHT	30' x 170'	30' x 100'	30' x 100'
DEPTH BELOW BASE OF WEIR (AVG.)	4'	4'	4'
CHANNEL DEPTH	1.5'	1.5'	1.5'
WEIR LENGTH	15'	11'	11'
EMBANKMENT HEIGHT	5'	5'	5'



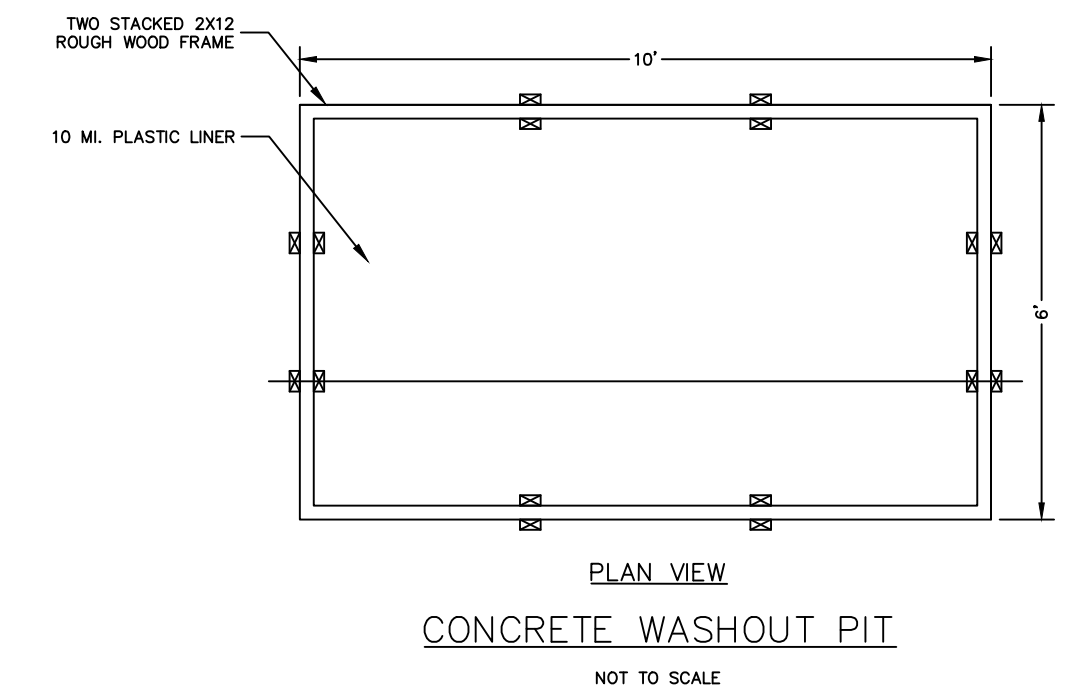
**STONE SEDIMENT TRAP**  
NOT TO SCALE

**INSTALLATION NOTES**

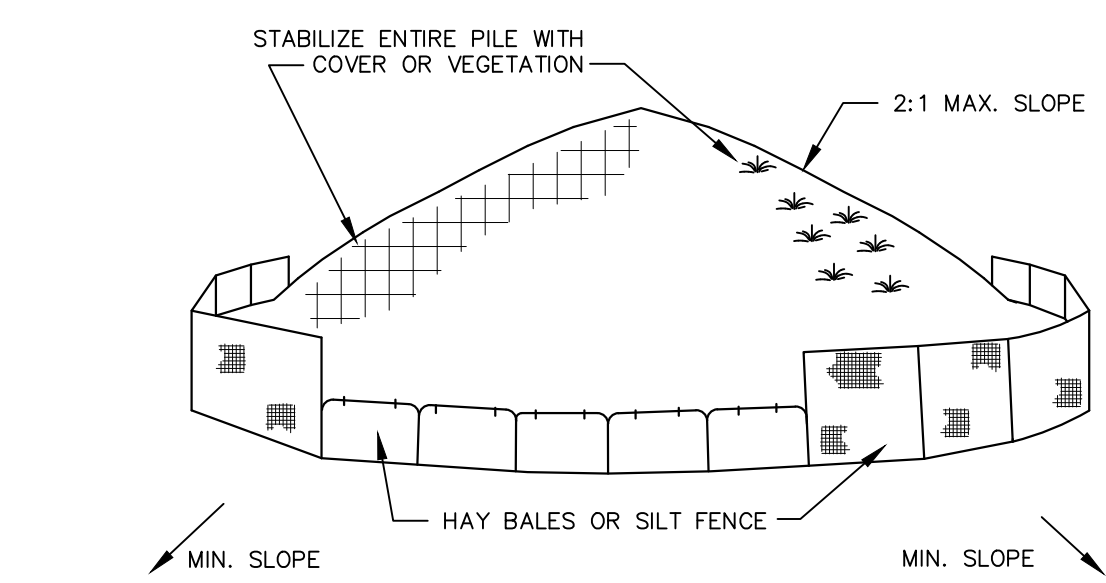
- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED AS WELL.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER SIZED STONES, ROCKS, ORGANIC MATERIAL AND OTHER QUESTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- ALL CUT AND FILL SLOPES SHALL BE 1:2 OR FLATTER.



**TEMPORARY CONCRETE WASH**  
NOT TO SCALE



**CONCRETE WASHOUT PIT**  
NOT TO SCALE



- INSTALLATION NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE
  - MAXIMUM SLOPE OF STOCKPILES SHALL BE 2:1.
  - UPON COMPLETION OF SOIL STOCKPILING EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES, THEN STABILIZED WITH VEGETATION OR COVERED.
  - SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

**SOIL STOCKPILE DETAIL**  
NOT TO SCALE

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

**EROSION AND SEDIMENT CONTROL DETAILS**

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO: 25 of 29

REV.	BY	DATE	DESCRIPTION

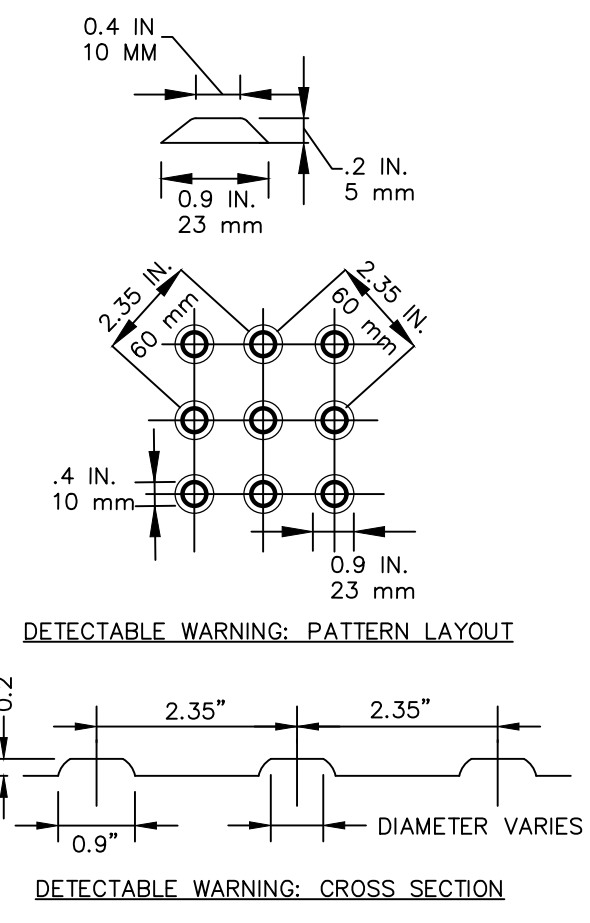
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MICHAEL A. MORGANTE, P.E.  
LIC. NO. 78577

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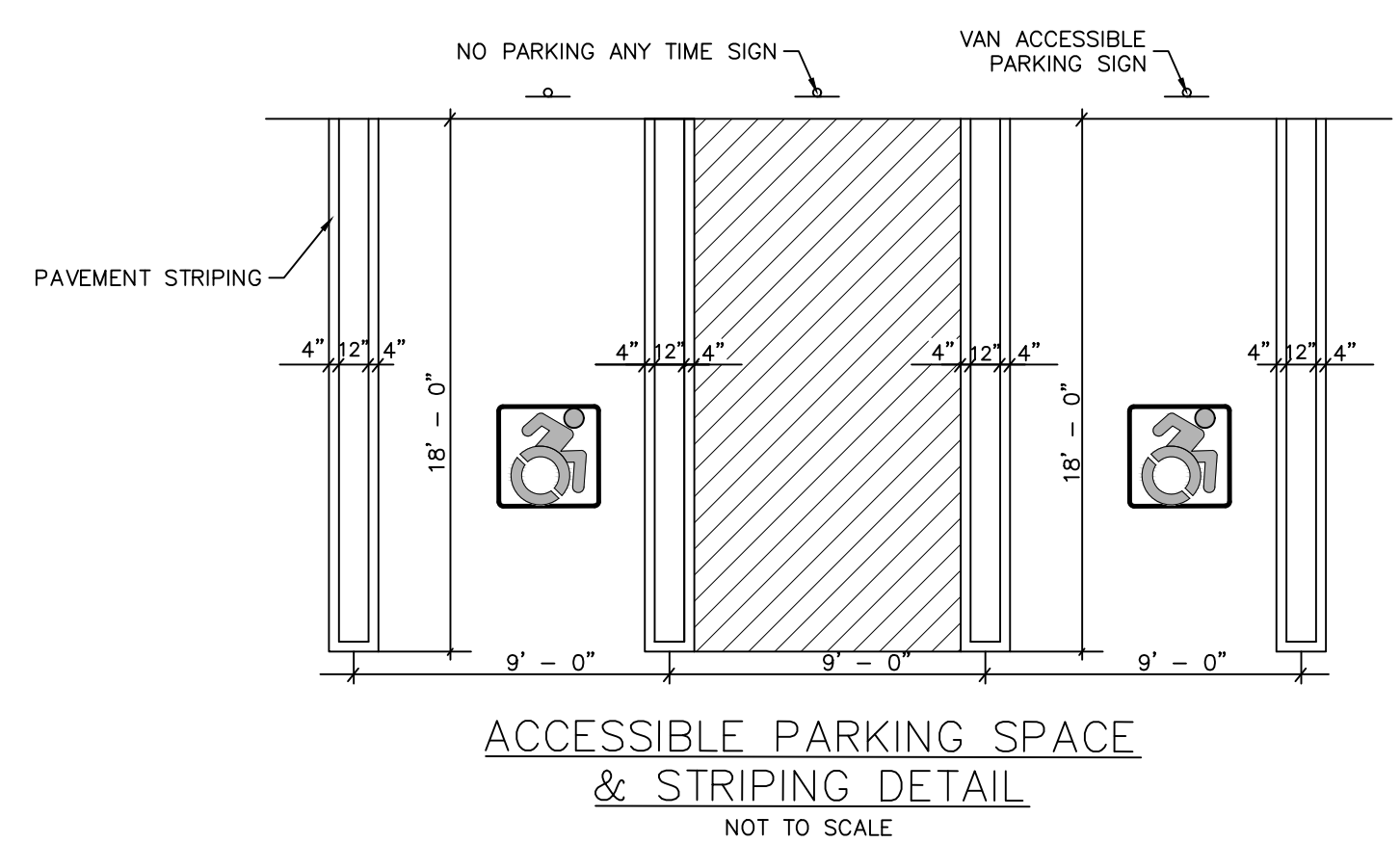
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UDIG NY MUST BE CONTACTED PRIOR TO ANY EXCAVATION OR DEMOLITION



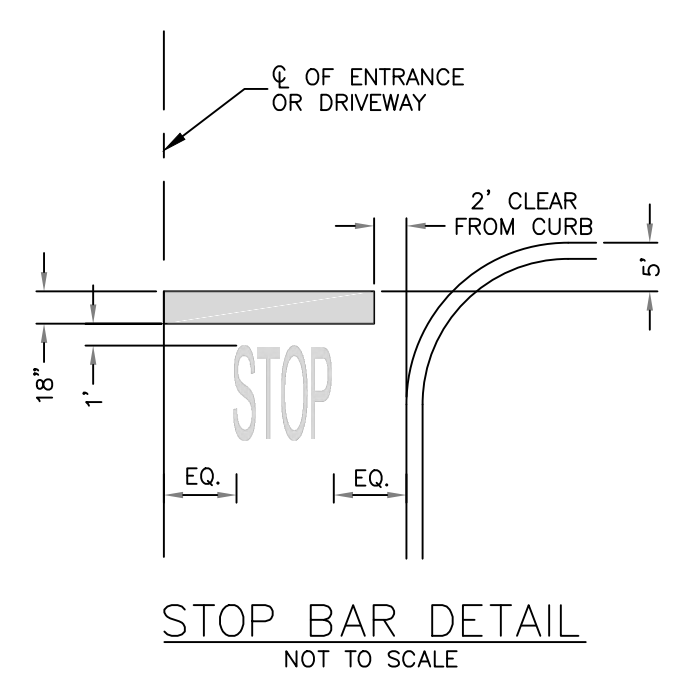
**DETECTABLE WARNING PAD DETAIL**  
NOT TO SCALE

NOTES:  
1. TRUNCATED DOME PATTERN.  
2. ROWS OF TRUNCATED DOMES ALIGNED PERPENDICULAR TO THE GRADE BREAK BETWEEN THE CURB RAMP/LANDING AND THE STREET.  
3. FULL WIDTH OF CURB RAMP/LANDING CONNECTION TO THE STREET.  
4. DEPTH: 24-INCH MINIMUM.  
5. INSTALLED AT BACK OF CURB.  
6. CONTRASTS WITH BACKGROUND (LIGHT-ON-DARK OR DARK-ON-LIGHT).

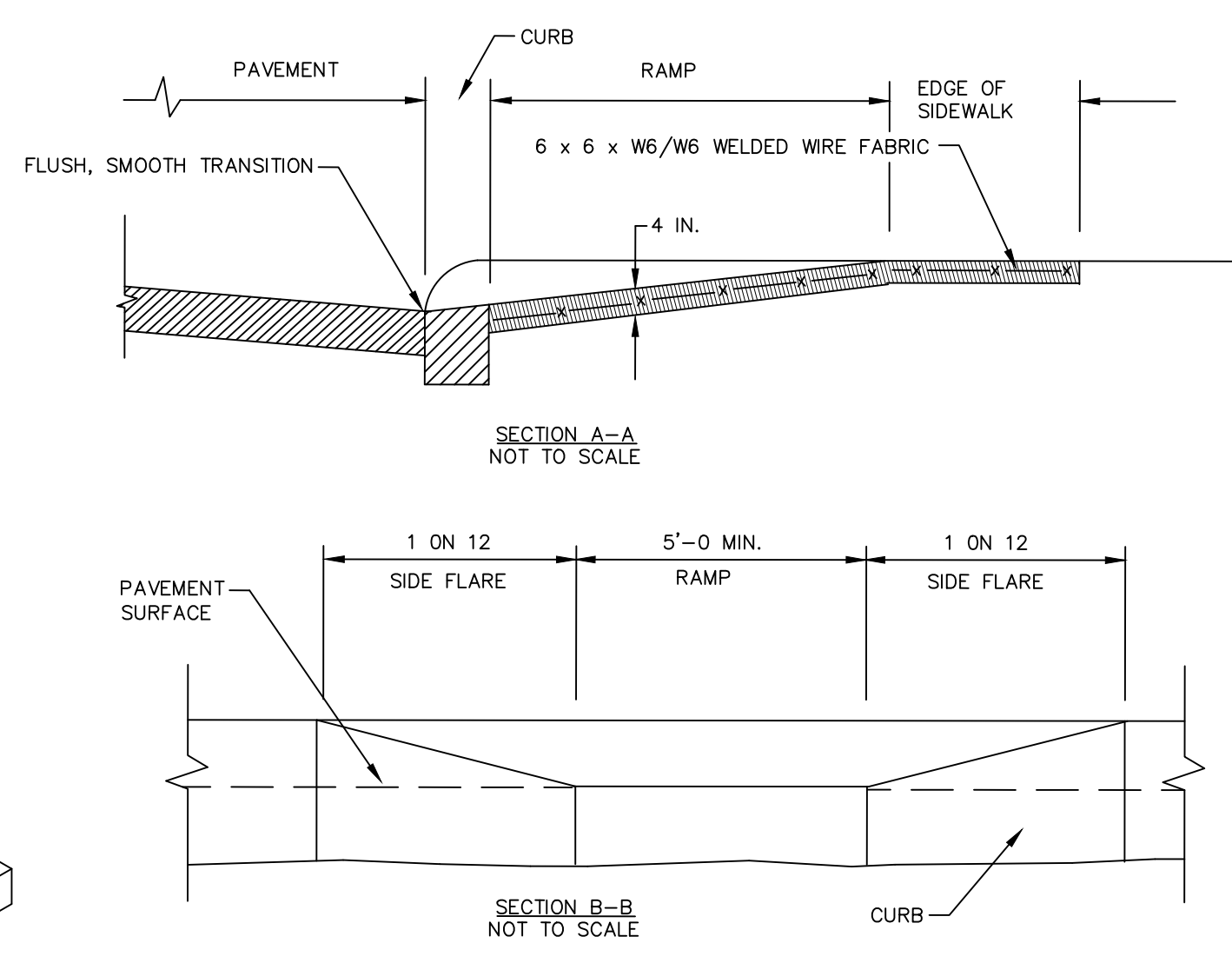
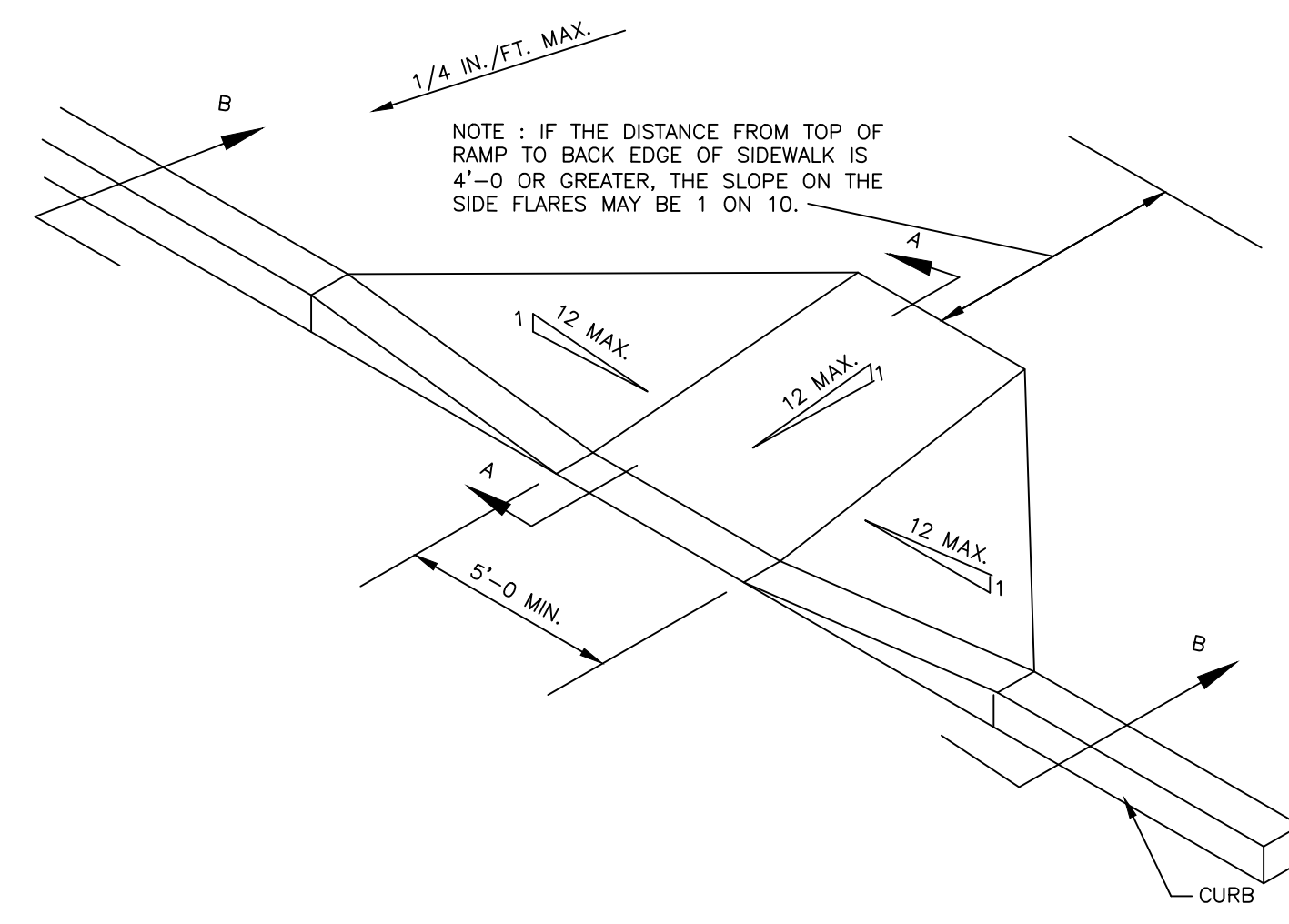


**ACCESSIBLE PARKING SPACE & STRIPING DETAIL**  
NOT TO SCALE

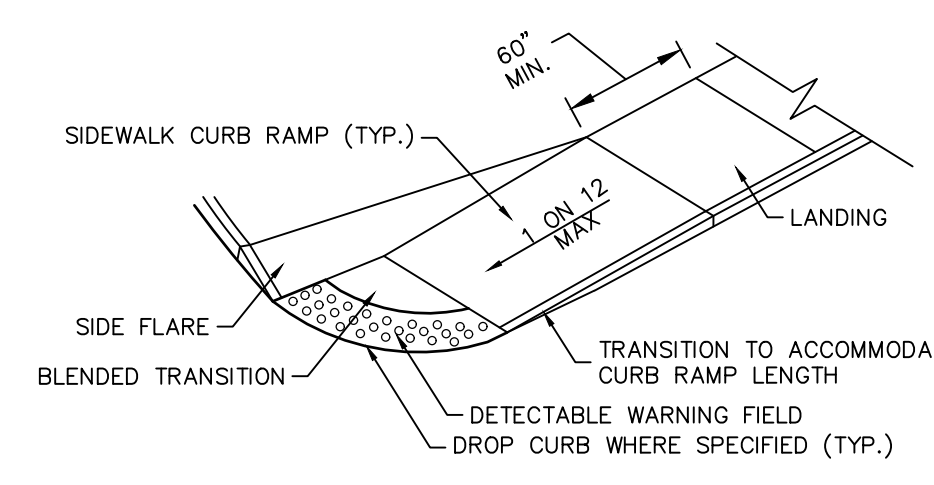
NOTES:  
1. ALL SLOPES WITHIN THE HANDICAP PARKING AND LOADING AREAS SHALL BE 1:50 OR LESS.  
2. ALL RUNNING SLOPES LEADING TO ACCESSIBLE PARKING SHALL NOT EXCEED 1:20.  
3. ACCESSIBLE AISLE STRIPING SPACED 2' O.C. AT A 45° ANGLE.  
4. UTILIZE BLUE & WHITE EPOXY RESIN DYNAMIC SYMBOL OF ACCESSIBILITY.  
5. STRIPED LOADING AND UNLOADING AREA: 60" MIN. OR 96" MIN. FOR VANS.



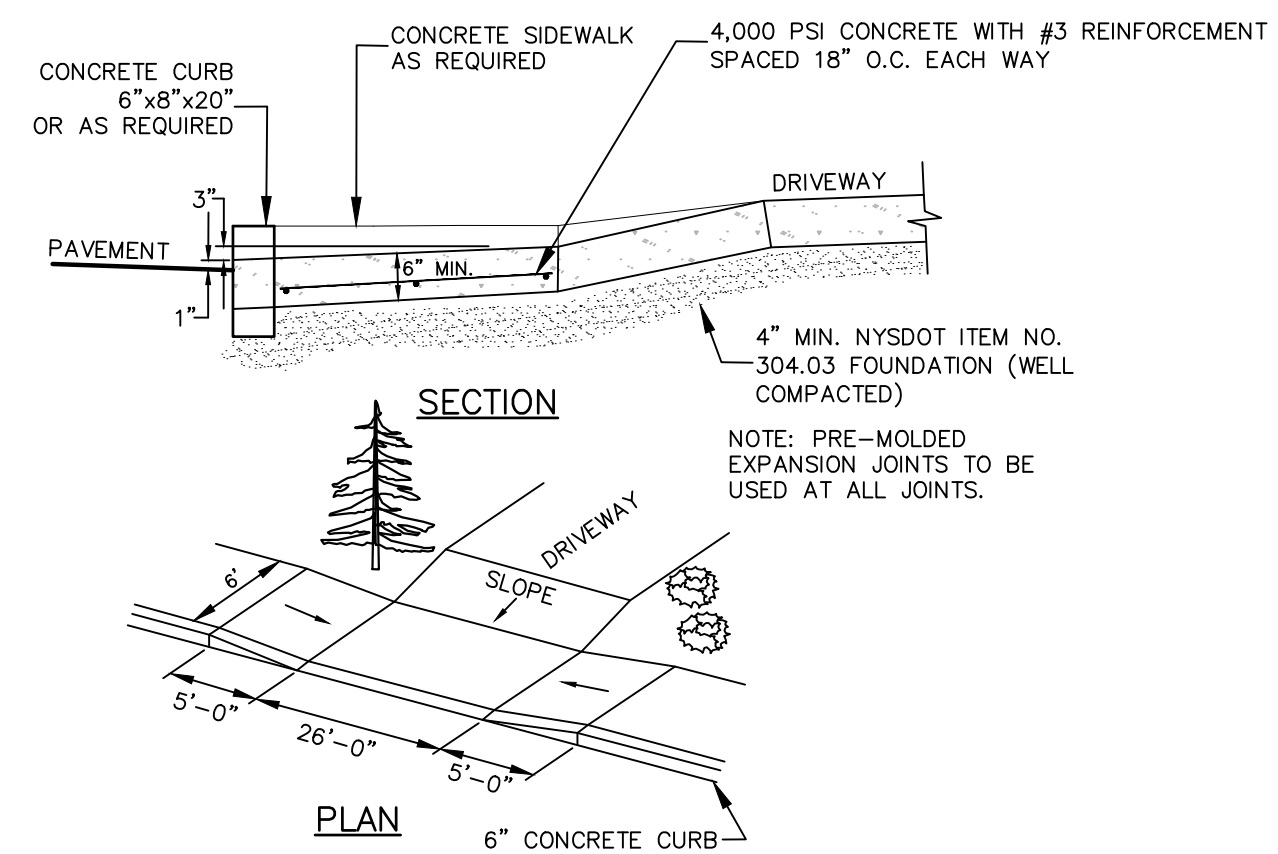
**STOP BAR DETAIL**  
NOT TO SCALE



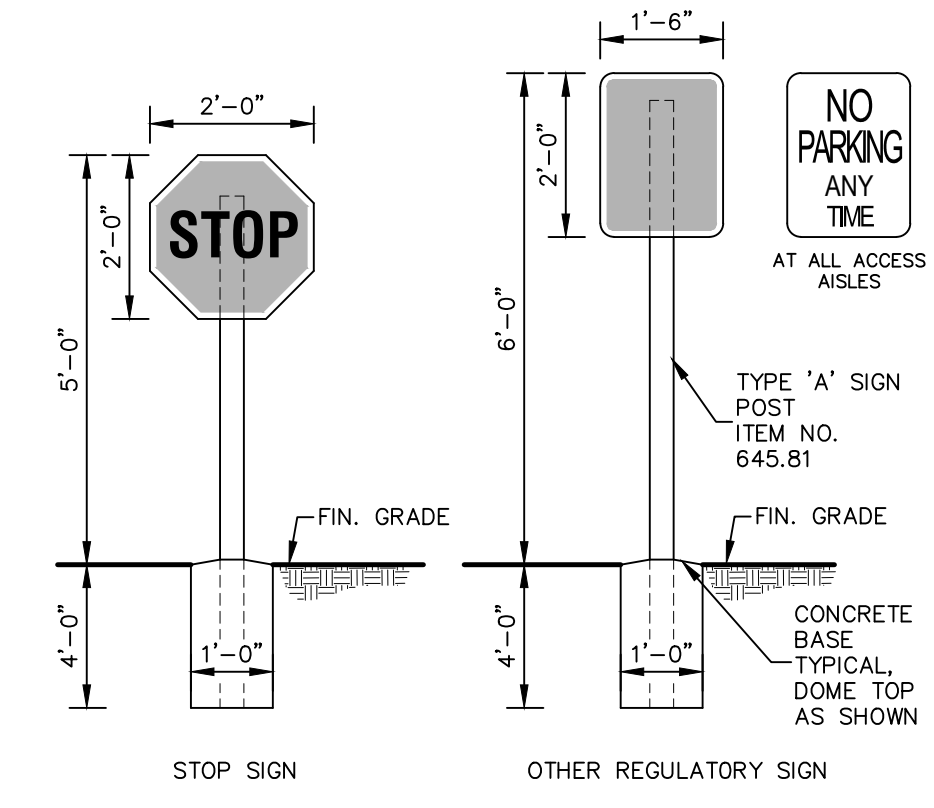
**CURB RAMP DETAIL**  
NOT TO SCALE



**SIDEWALK CURB RAMP**  
NOT TO SCALE

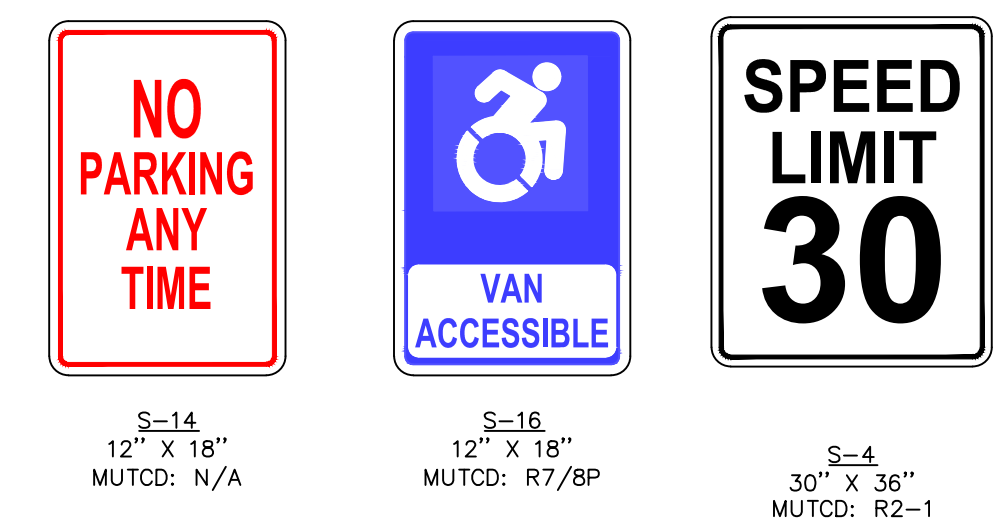


**DRIVEWAY ENTRANCE DETAIL**  
NOT TO SCALE

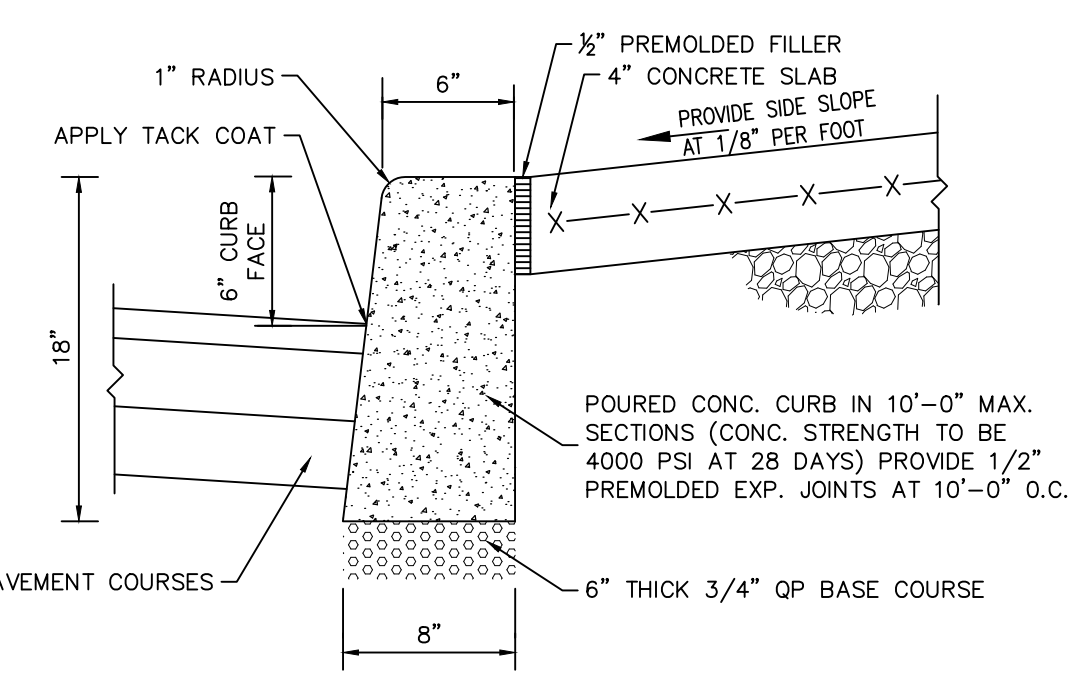


**REGULATORY SIGNS**  
NOT TO SCALE

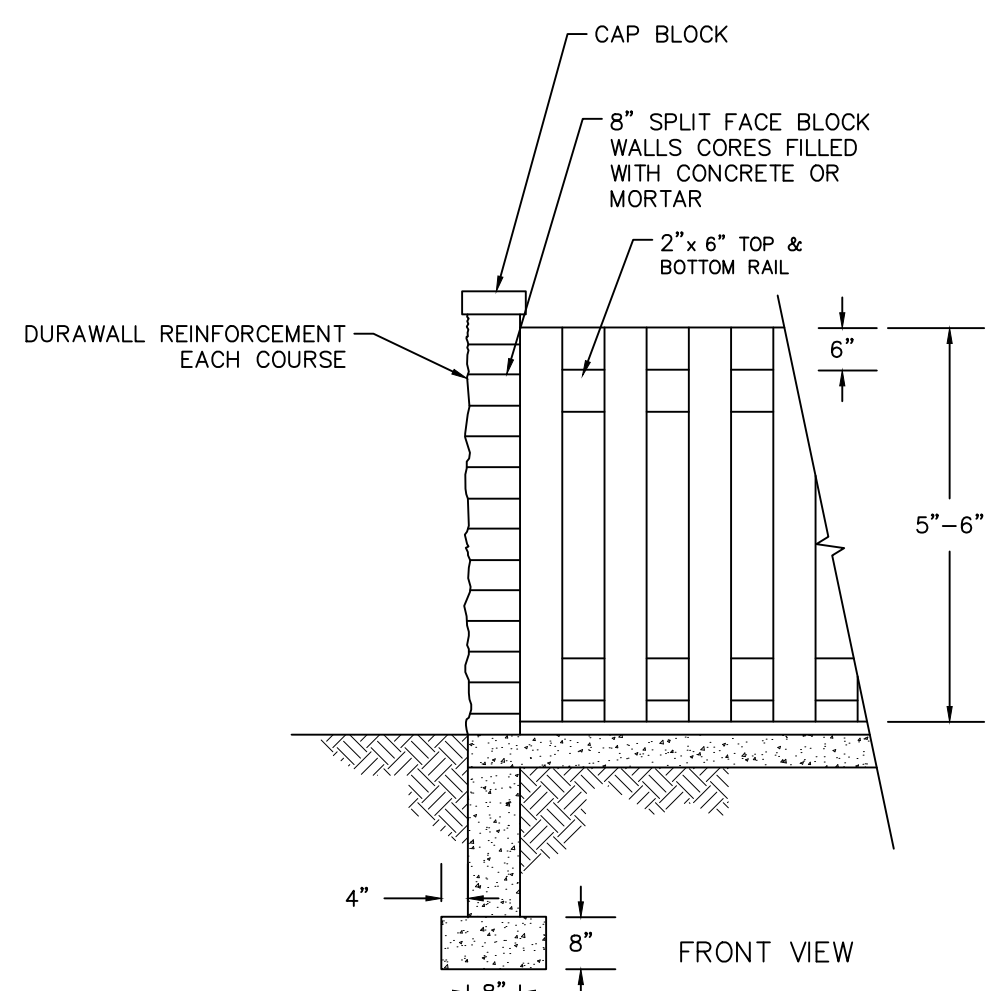
NOTES:  
1. FOR SIGN LOCATION AND MESSAGE REFER TO PLANSET.  
2. SIGN COLOR AND TEXT FONT SHALL CONFORM TO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. SIGNS FOR ADA ACCESSIBLE PARKING SPACES SHALL CONFORM TO ANSI A117.1 & LATEST NYS ACCESSIBLE DYNAMIC SYMBOL REQUIREMENTS.  
3. SET SIGNS SECURE AND TRUE TO PLUMB AND LEVEL.  
4. SUBMIT SHOP DWGS. FOR EACH SIGN TYPE AND EACH MESSAGE.  
5. FIELD STAKE SIGN LOCATIONS FOR INSPECTION AND APPROVAL PRIOR TO PLACING SIGNS.  
6. USE STAINLESS STEEL BOLTS, 1/2" x 1 1/2" WASHERS & SELF LOCKING FLANGE NUTS.  
7. CONCRETE BASE IS NOT REQUIRED FOR CONCRETE SIDEWALK INSTALLATION. SIGN POST SHALL BE SET WITH A MINIMUM DEPTH OF 3' BELOW FINISHED GRADE OF SIDEWALK.



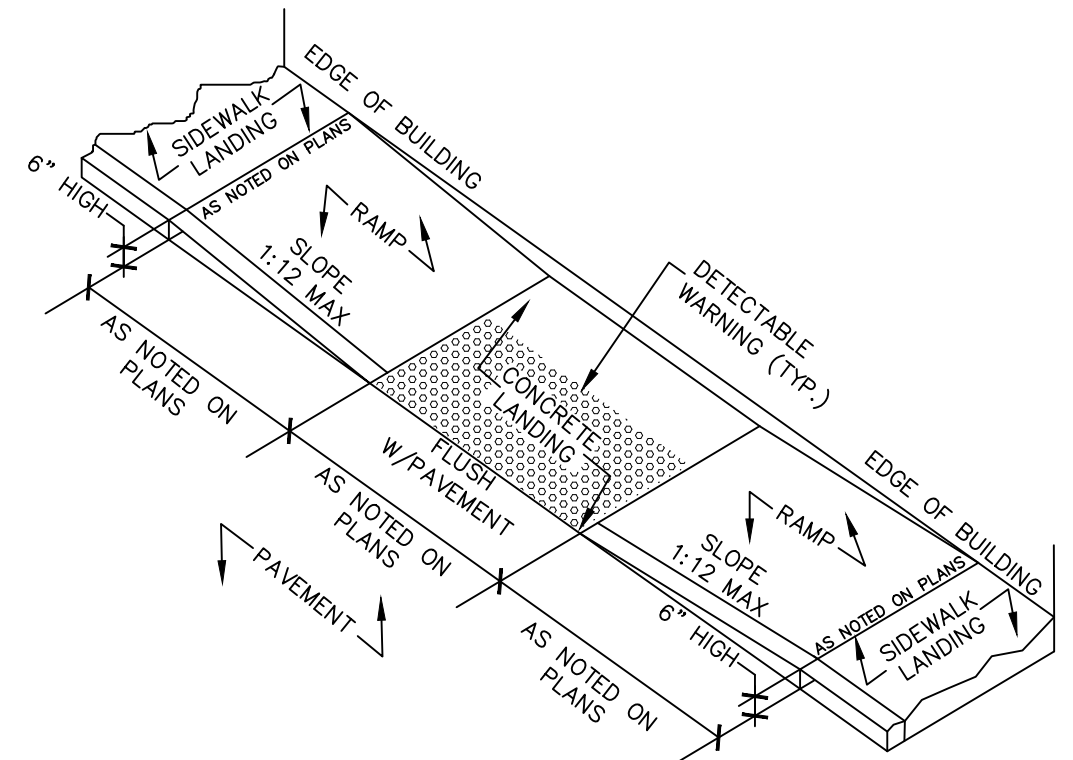
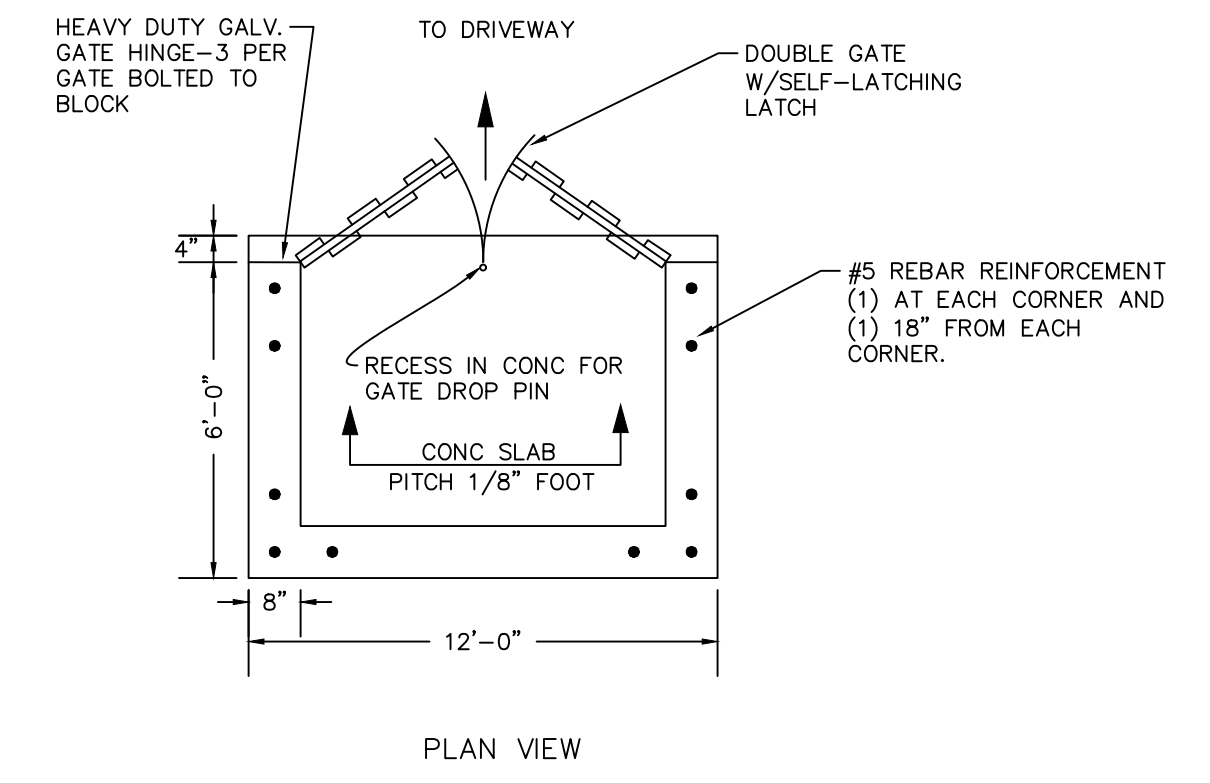
**SITE SIGNAGE**  
NOT TO SCALE



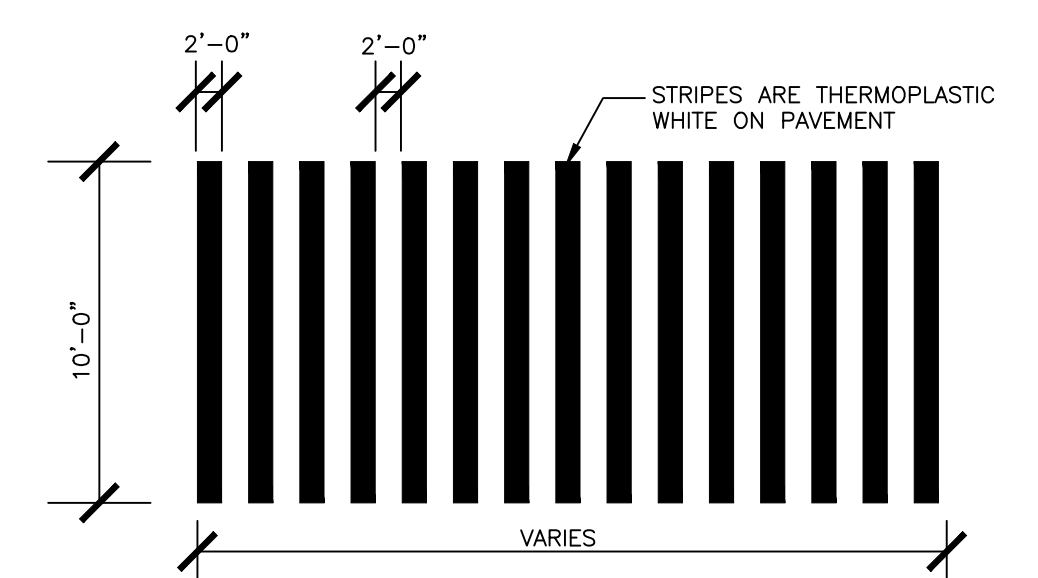
**CONCRETE CURB DETAIL W/ SIDEWALK**  
NOT TO SCALE



**DUMPSTER AREA DETAIL**  
NOT TO SCALE

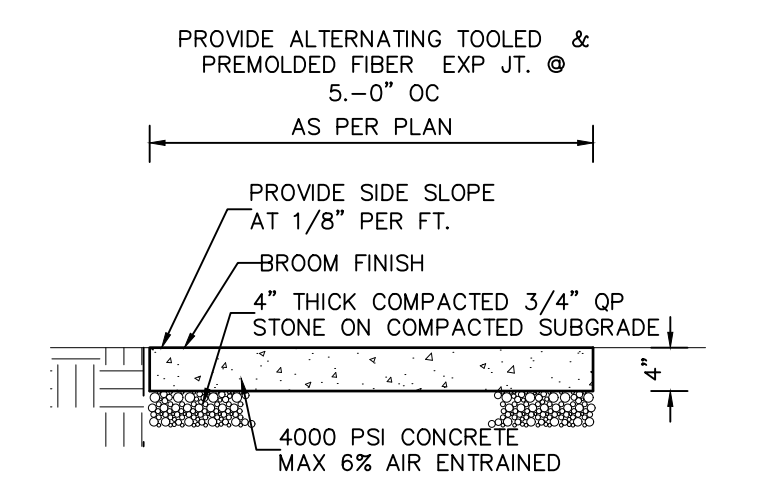


**IN-LINE ACCESSIBLE RAMP**  
NOT TO SCALE



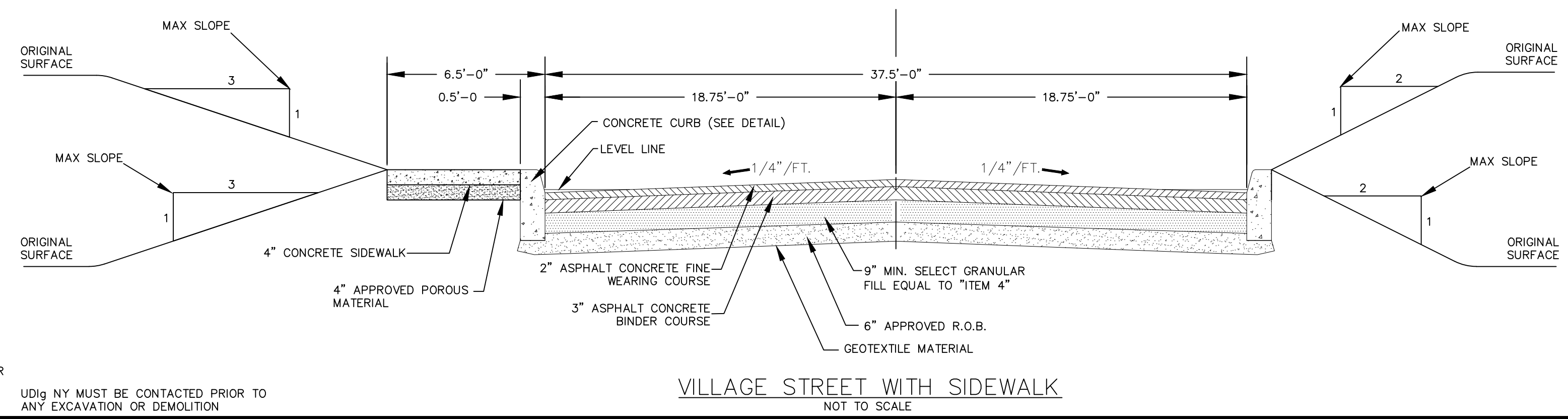
**CROSSWALK STRIPING DETAIL**  
NOT TO SCALE

**STRIPING SPECIFICATION:**  
ANY STRIPING THAT IS REMOVED DURING THE TRENCH EXCAVATION OR DURING THE MILLING OPERATIONS IS REQUIRED TO BE REPLACED. REFLECTORIZED PAVEMENT MARKING PAINTS SHALL BE SELECTED FROM THE NYSOT APPROVED LIST OF WHITE AND YELLOW REFLECTORIZED PAVEMENT MARKING PAINTS. IMMEDIATELY FOLLOWING PAINT APPLICATION, REFLECTIVE GLASS BEADS SHALL BE UNIFORMLY APPLIED AT A RATE OF 6LB/GAL OF PAINT. THE APPLIED PAVEMENT MARKINGS SHALL HAVE CLEAN-CUT EDGES AND TRUE AND SMOOTH ALIGNMENT. STOP BAR WIDTH IS 1'-6". SEE SECTION 640 REFLECTORIZED PAVEMENT MARKING PAINTS OF NYSOT STANDARD SPECIFICATIONS FOR ALL REQUIREMENTS.



**CONCRETE SIDEWALK DETAIL**  
NOT TO SCALE

- AT ALL FIXED VERTICAL SURFACES AND STRUCTURE PROVIDE 1/2" THICK PMF
- EXPANSION JOINTS ARE TO BE 1/2" WIDE AND FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER. TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE TOP OF SIDEWALK SURFACE. EXPANSION JOINT SHALL BE LOCATED @ 10'-0" O.C.
- BLIND JOINTS ARE TO BE SURFACE GROOVES CUT/TOOLED INTO SIDEWALK 1/2" DEEP AND SHALL BE LOCATED @ 5'-0" O.C.
- ALL EXPOSED SURFACES ARE TO BE COATED WITH A TRANSLUCENT CURING COMPOUND CONFORMING TO AASHTO M 148, TYPE I-D IMMEDIATELY FOLLOWING FINAL FINISHING. COVERAGE SHALL NOT BE LESS THAN ONE GALLON PER 200 SQ. FT.



**VILLAGE STREET WITH SIDEWALK**  
NOT TO SCALE

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REV.	BY	DATE	DESCRIPTION

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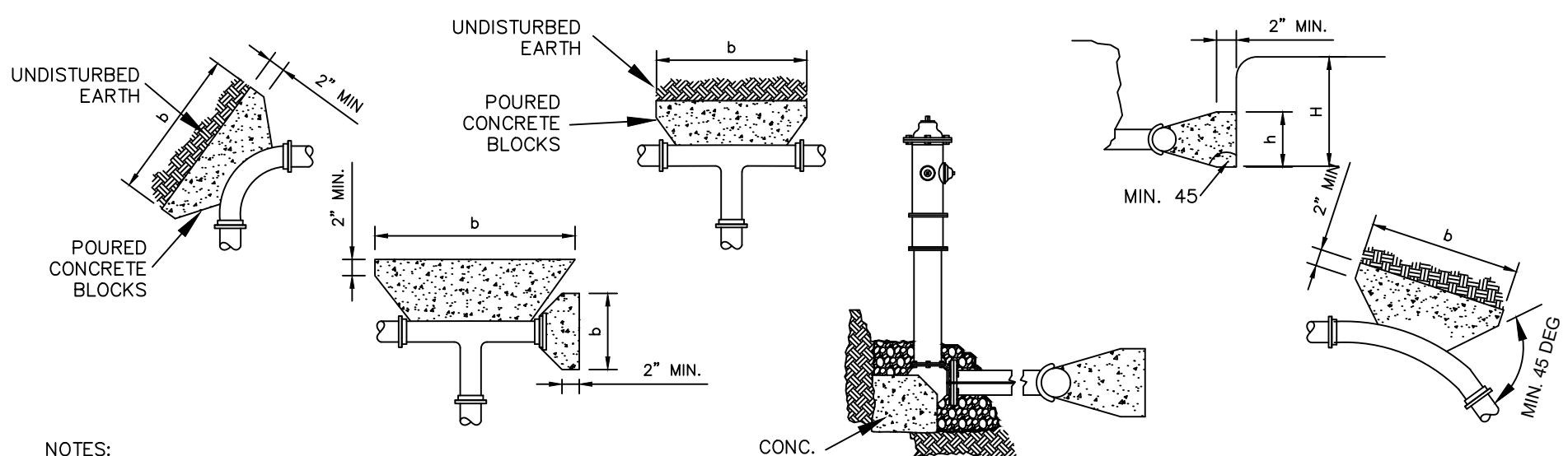
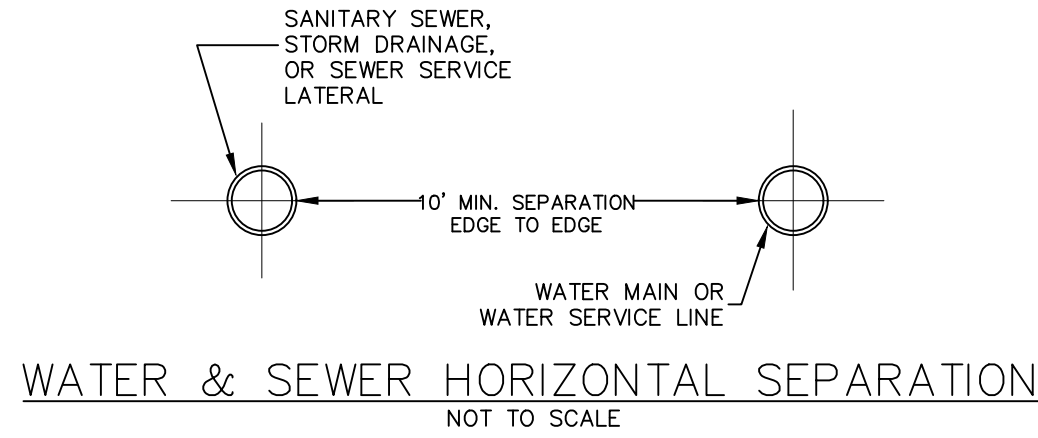
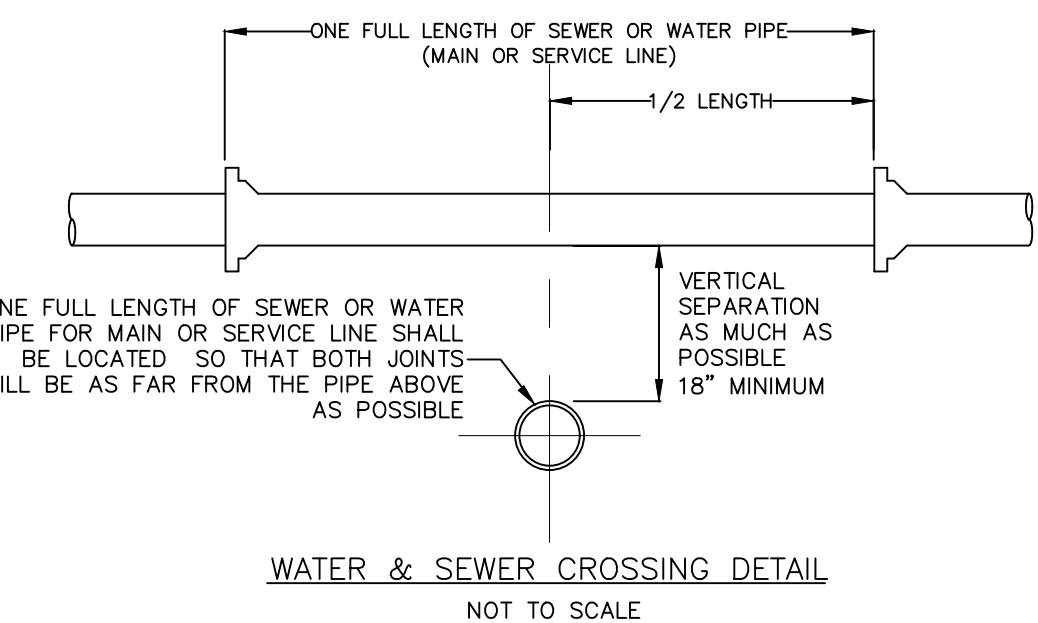
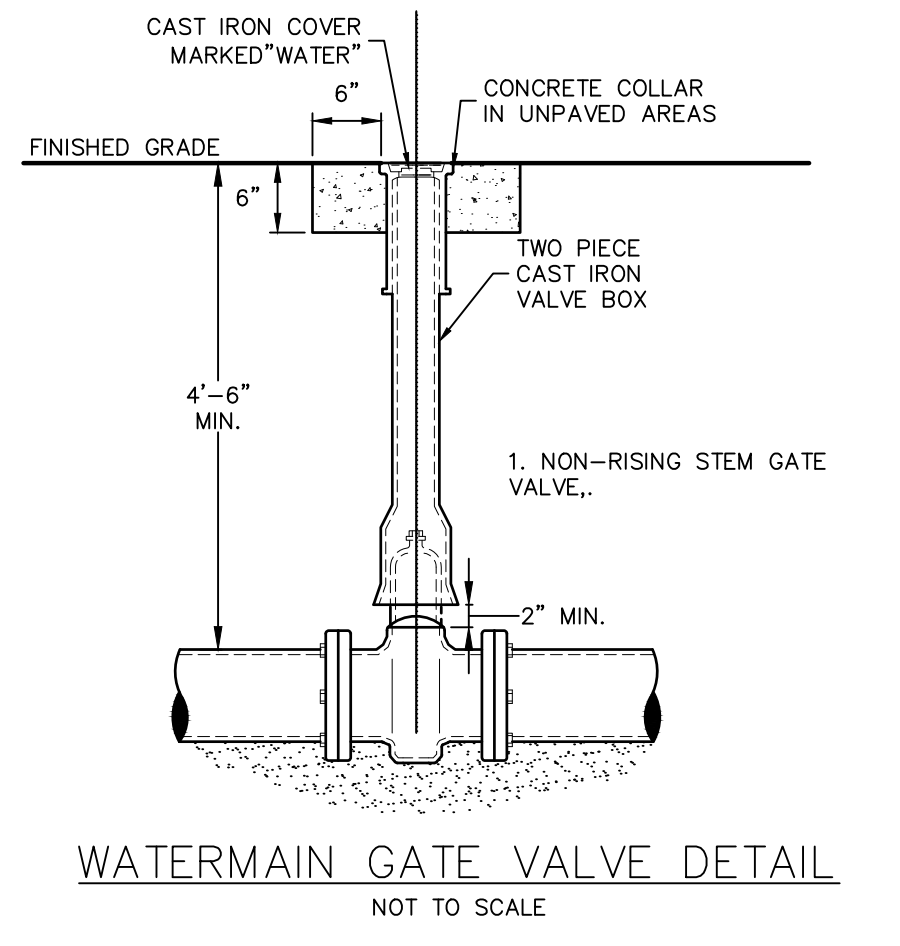
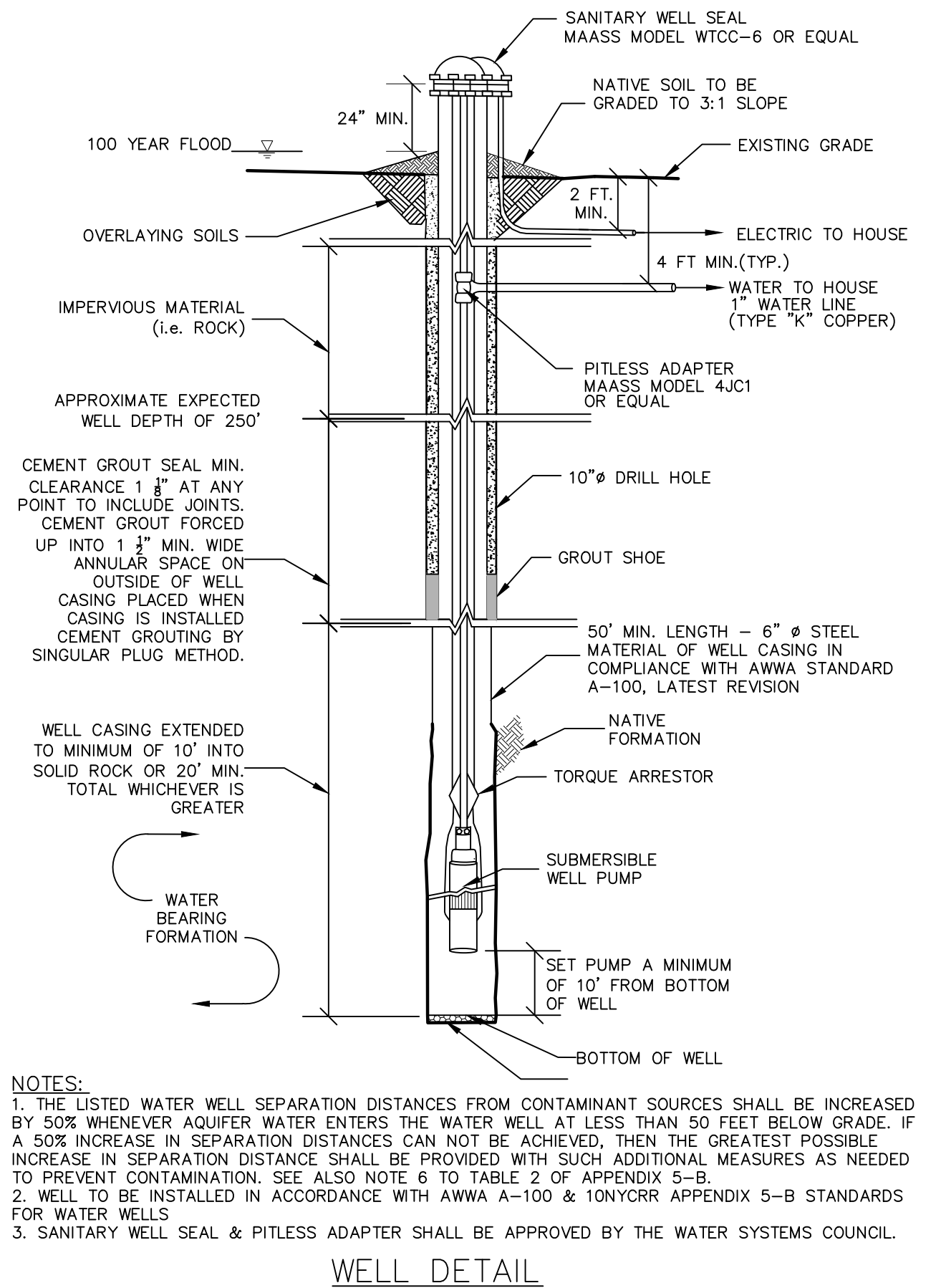
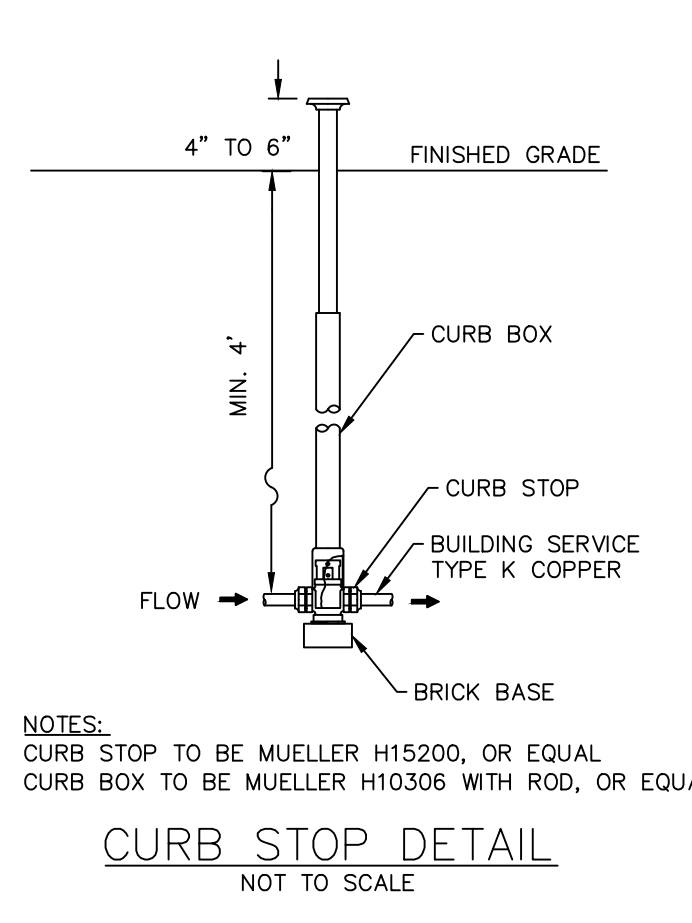
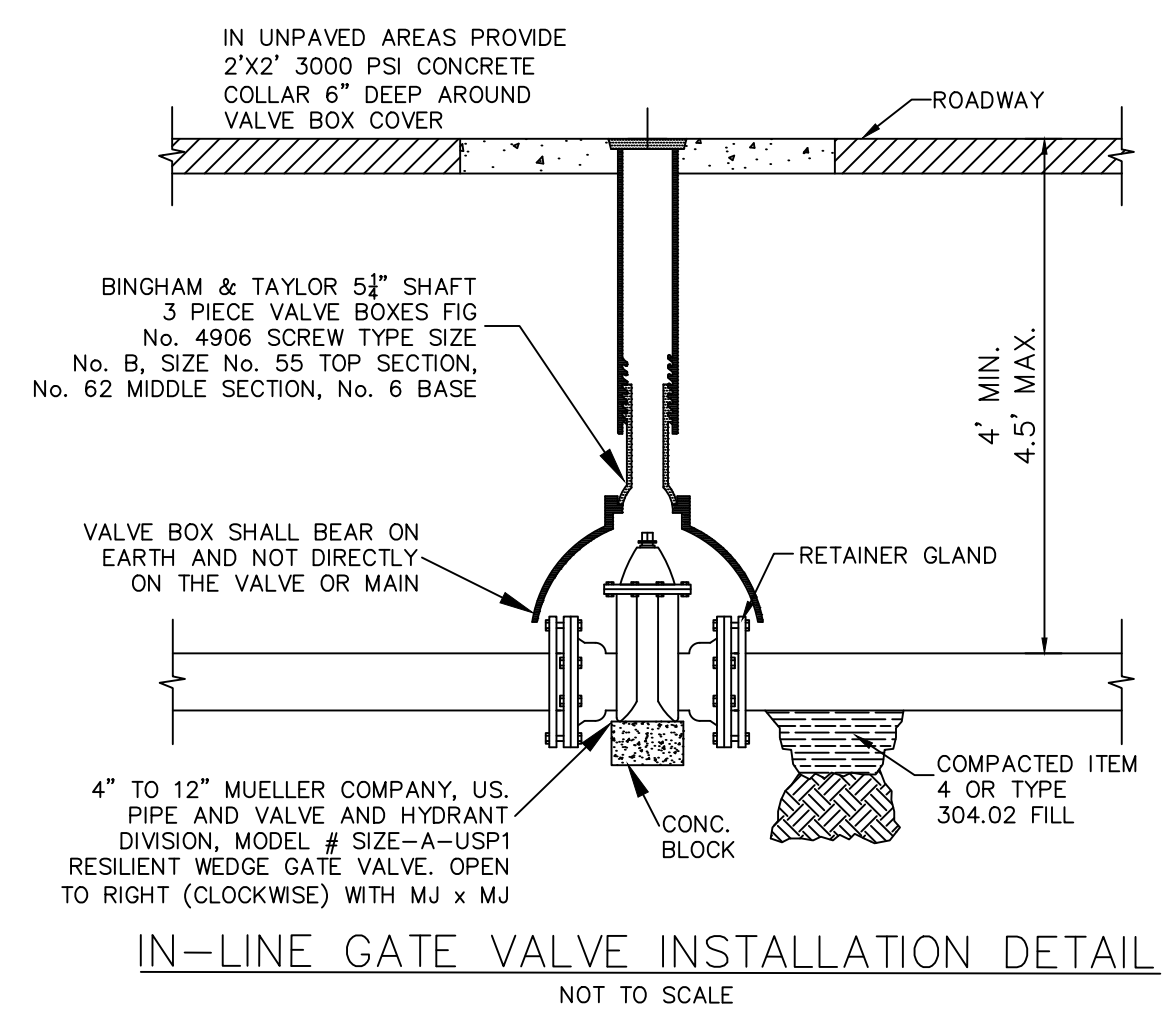
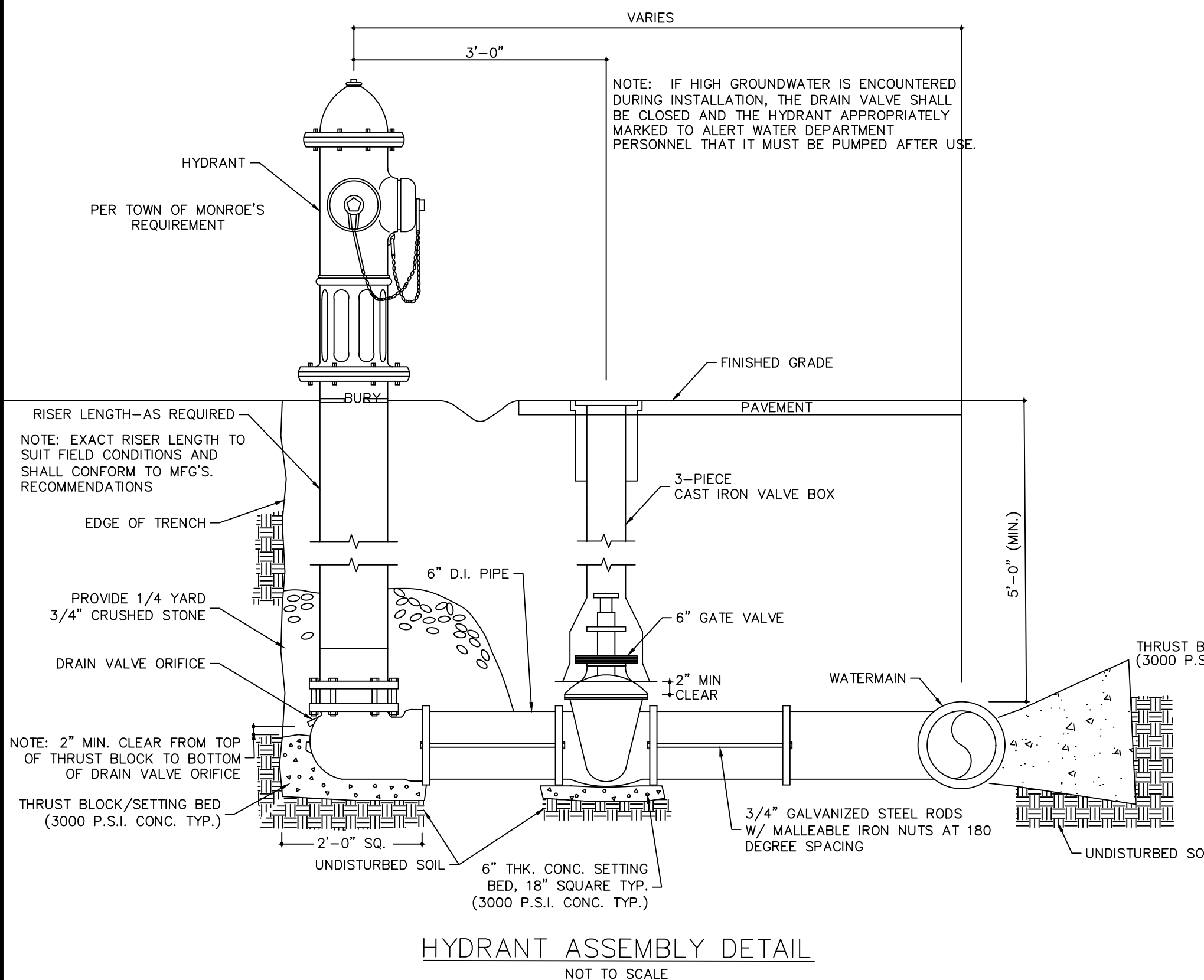
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**SITE PLAN & SUBDIVISION FOR VALLEY HEIGHTS**  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

**CONSTRUCTION DETAILS**

MICHAEL A. MORGANTE, P.E.  
LIC. NO. 78577

JOB#: 22-033  
SCALE: AS NOTED  
DATE: 01-14-25  
DRAWN: MM  
CHECKED: MM  
SHEET NO: 26 of 29



NOTES:  
TO DETERMINE THRUST AT PRESSURES OTHER THAN 100 PSI, MULTIPLY THE THRUST OBTAINED IN THE TABLE BY THE RATIO OF THE PRESSURE TO 100.

$$\text{BEARING AREA (SF)} = \frac{\text{THRUST FORCE AT FITTING (LB.S)}}{\text{BEARING CAPACITY OF UNDISTURBED SOIL (LB.S/SF)}}$$

$$\text{GRAVITY BLOCK SIZE (C.F.)} = \frac{\text{THRUST FORCE AT FITTING (LB.S)}}{\text{CONCRETE DENSITY 145 (LB.S/C.F.)}}$$

RESULTANT THRUST FORCE AT FITTINGS AT 100 PSI WATER PRESSURE

NOM. PIPE DIA. (IN.)	90 BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
3	1,232	1,742	943	481
4	1,810	2,559	1,385	706
6	3,739	5,288	2,862	1,459
8	6,433	9,097	4,923	2,510
10	9,877	13,685	7,408	3,776
12	13,685	19,353	10,474	5,340
14	18,385	26,001	14,072	7,174
16	23,779	33,628	18,199	9,278
18	29,865	42,235	22,858	11,653
20	36,644	51,822	28,046	14,298
24	52,279	73,934	40,013	20,398
30	80,425	113,738	61,554	31,380
36	115,209	162,931	88,177	44,952
42	155,528	219,950	119,036	60,684
48	202,883	280,637	155,127	79,083
54	260,214	367,959	199,160	101,531
60	298,121	42,606	228,172	116,321
64	338,707	479,004	259,235	132,157

- NOTES:  
1. PLACE 8 MIL. POLYETHYLENE BETWEEN CONCRETE AND FITTING (CONCRETE SHALL NOT INTERFERE WITH JOINT).  
2. MINIMUM CONCRETE THICKNESS (b) OF THE BEARING AREA SHALL BE BETWEEN 1.0 AND 2.0 TIMES THE VERTICAL DIMENSION (h). (h <= b <= 2h)  
3. THE HORIZONTAL DIMENSION (a) OF THE BEARING AREA SHALL BE EQUAL TO ONE-HALF THE TOTAL DEPTH (H) TO THE BOTTOM OF THE THRUST BLOCK BUT NOT LESS THAN THE OUTSIDE DIAMETER (Do) OF THE FITTING (Do <= h <= 4/2).  
4. THE VERTICAL DIMENSION (h) OF THE BEARING AREA SHALL BE EQUAL TO ONE-HALF THE TOTAL DEPTH (H) TO THE BOTTOM OF THE THRUST BLOCK BUT NOT LESS THAN THE OUTSIDE DIAMETER (Do) OF THE FITTING (Do <= h <= 4/2).  
5. THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.  
6. THE MINIMUM ALLOWABLE ANGLE (EITHER VERTICAL OR HORIZONTAL) SHALL BE 45 DEGREES.

CHART 1 - ESTIMATED BEARING STRENGTH (UNDISTURBED SOIL)

TYPE OF SOIL	ALLOWABLE SOIL BEARING CAPACITY
MUCK, PETE, ETC.	0 LB. / FT. SQ.
SOFT CLAY	500 LB. / FT. SQ.
FINE SAND	1,000 LB. / FT. SQ.
DECOMPOSED GRANITE (D.G.)	1,500 LB. / FT. SQ.
SANDY GRAVEL	2,000 LB. / FT. SQ.
CEMENTED SANDY GRAVEL	4,000 LB. / FT. SQ.
HARD SHALE	5,000 LB. / FT. SQ.
GRANITE	10,000 LB. / FT. SQ.

NOTES:  
\* IN MUCK, PEAT OR OTHER INCOMPETENT SOILS, RESISTANCE SHALL BE ACHIEVED BY REMOVAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE INTENDED THRUSTS. DESIGN OF THRUST RESTRAINT SYSTEMS IN SUCH CASES SHALL BE PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER AND SHALL BE APPROVED BY THE AGENCY ENGINEER.  
\*\* FIRE HYDRANTS THAT DEAD END PIPE RUNS, WILL NEED THRUST BLOCKS. THRUST BLOCKS ARE TO BE DESIGNED BY A NYSPE AND SUBMITTED TO SUEZ UNDER SHOP DRAWING REVIEW PROCESS.

TYPICAL THRUST BLOCK DETAIL  
NOT TO SCALE

REV.	BY	DATE	DESCRIPTION

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, NY

JOB#: 22-033  
SCALE: AS NOTED  
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SHEET NO. 27 of 29

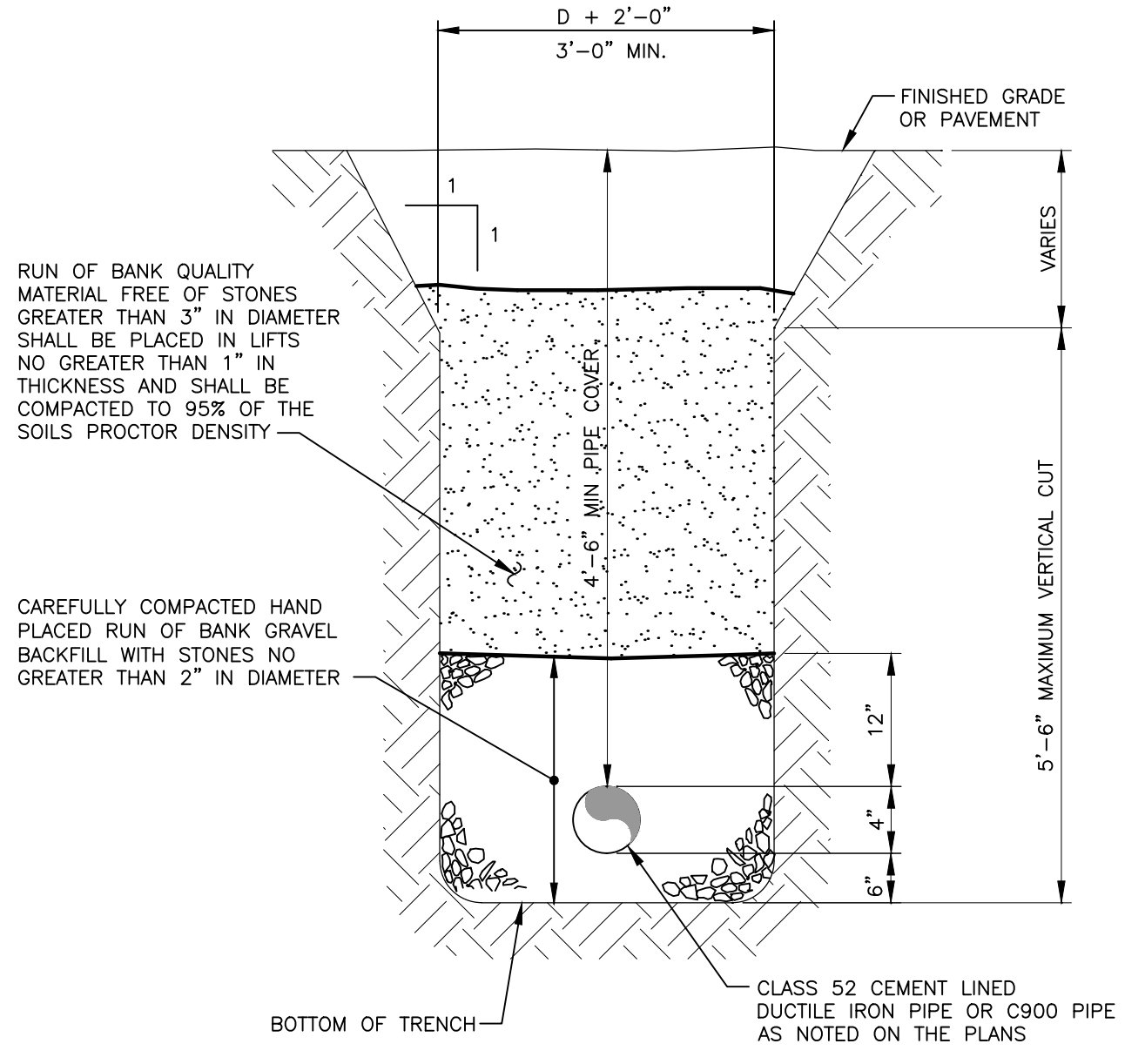
**WATER SUPPLY DETAILS**

MICHAEL A. MORGANTE, P.E.  
LIC. NO. 78577

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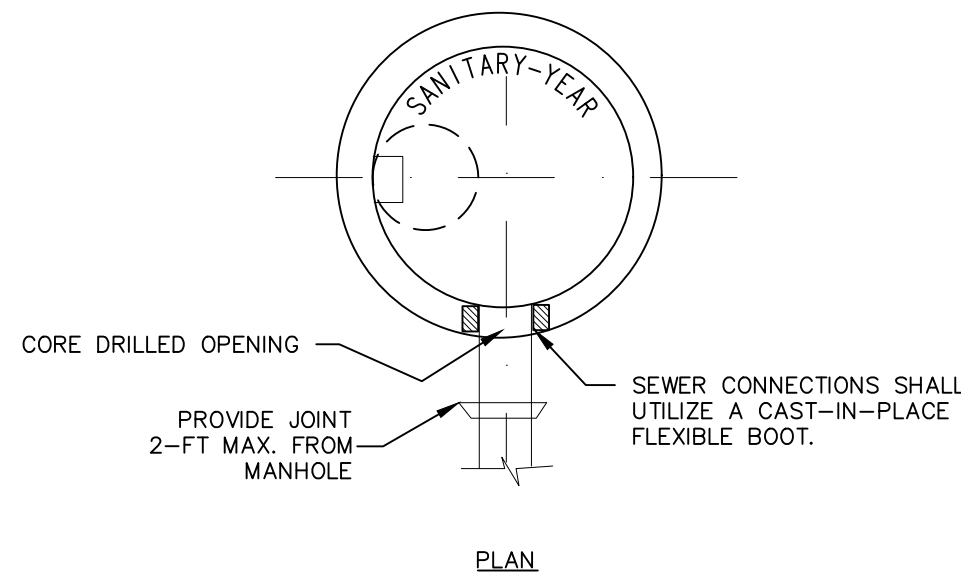


NOTE:  
BACKFILL MATERIAL SHALL BE RUN OF BANK QUALITY. ON-SITE MATERIAL MAY BE USED IF IT IS THE QUALITY OF RUN OF BANK MATERIAL.

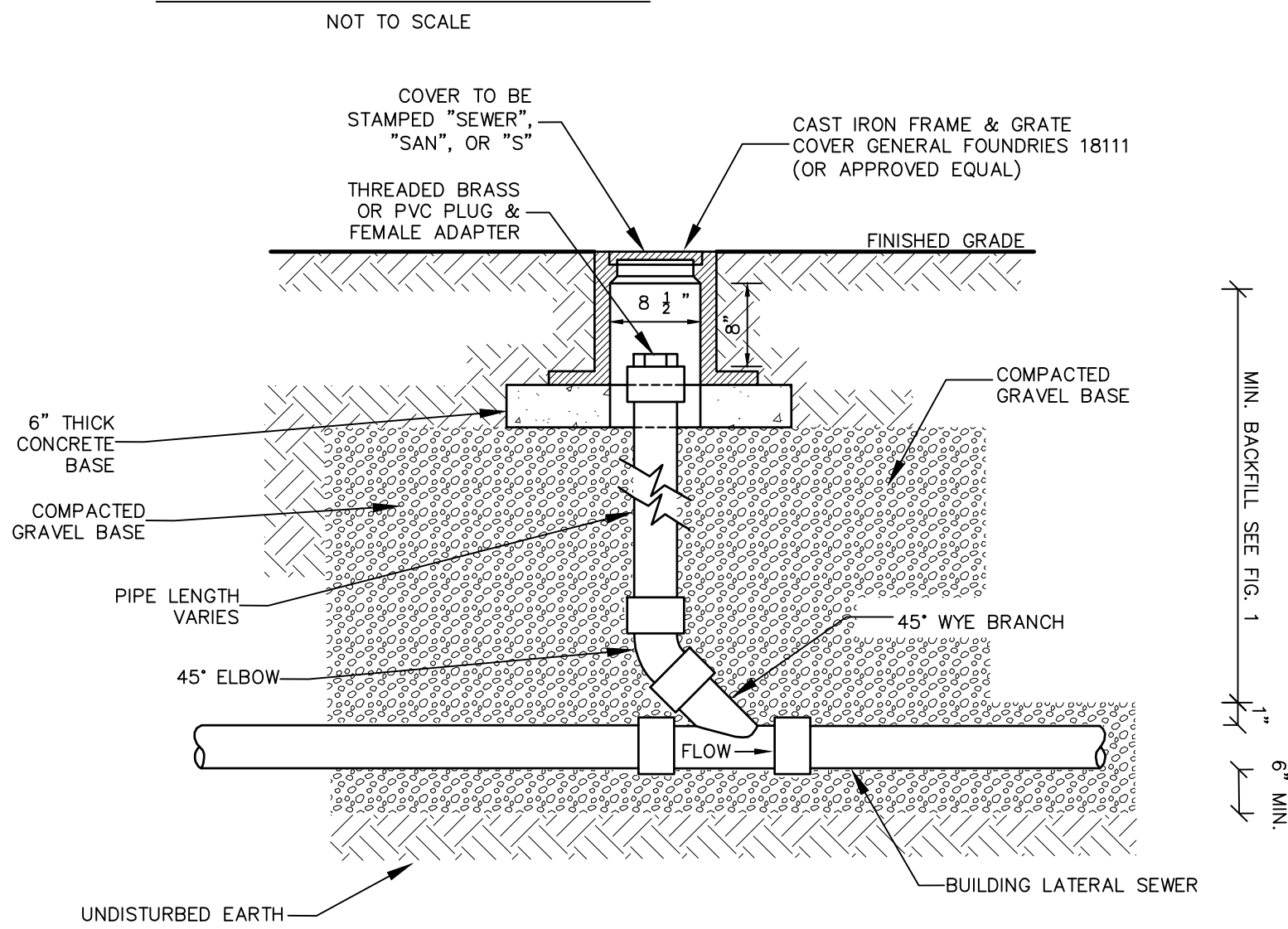
**WATERLINE TRENCH DETAIL**  
NOT TO SCALE

**SEWER MANHOLE CONNECTION NOTES:**

1. MANHOLES SHALL BE CORE DRILLED TO ACCEPT NEW LATERALS. HAMMERING OF A HOLE(S) IS UNACCEPTABLE.
2. LATERAL CROWNS (TOP INSIDE SURFACE OF THE PIPE) SHALL NOT BE LOWER THAN THE ELEVATION OF THE OUTLET MAIN CROWN IN THE MANHOLE, UNLESS OTHERWISE APPROVED BY THE TOWN ENGINEER.
3. A WATER STOP SHALL BE USED ON ALL PLASTIC PIPE ENTERING MANHOLES.
4. CHANNEL BOTTOMS SHALL BE WORKED TO PROVIDE A SMOOTH FLOWING TRANSITION FROM THE NEW LATERALS TO THE OUTLET CHANNEL.
5. PIPE PENETRATIONS SHALL BE SEALED WITH A NON-SHRINK GROUT.
6. INSTALLATION OF SEWER LATERAL AND CONNECTION TO EXISTING MANHOLE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES.



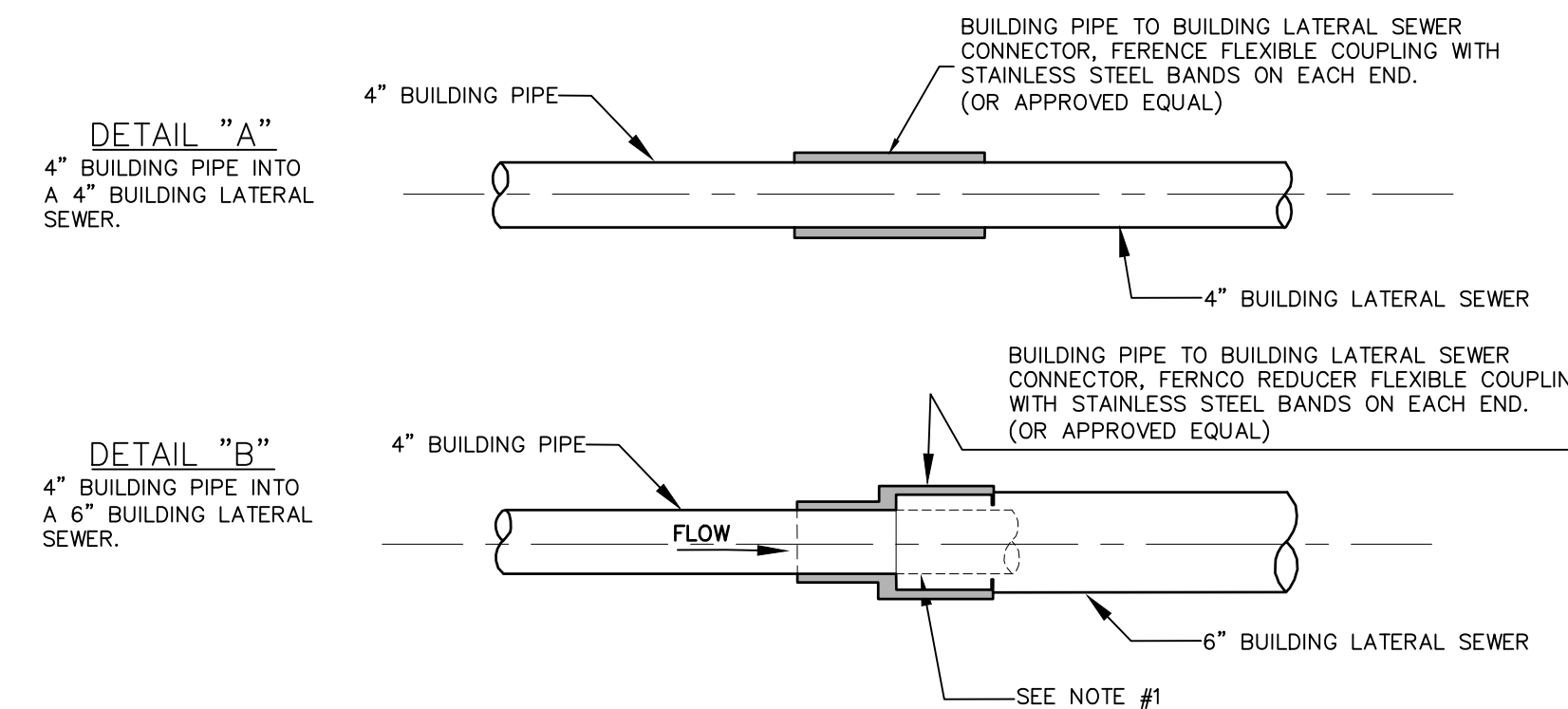
**SEWER LATERAL CONNECTION TO EXISTING MANHOLE**



1. EACH BUILDING LATERAL SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION. HEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING LATERAL SEWER APPROXIMATELY EVERY 100' (MAXIMUM). FOR THE PURPOSE OF CLEANOUT LOCATIONS, DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE BUILDING LATERAL SEWER TO THE CENTER OF THE SEWER MAIN LINE (GENERALLY LOCATED IN THE CENTER OF THE STREET).
2. CLEANOUT LOCATED IN A ROAD, DRIVEWAY OR PARKING AREA SHALL REQUIRE A CAMPBELL FOUNDRY #4164 CAST IRON FRAME AND COVER. (OR APPROVED EQUAL).

**BUILDING LATERAL SEWER CLEANOUT (C.O.)**

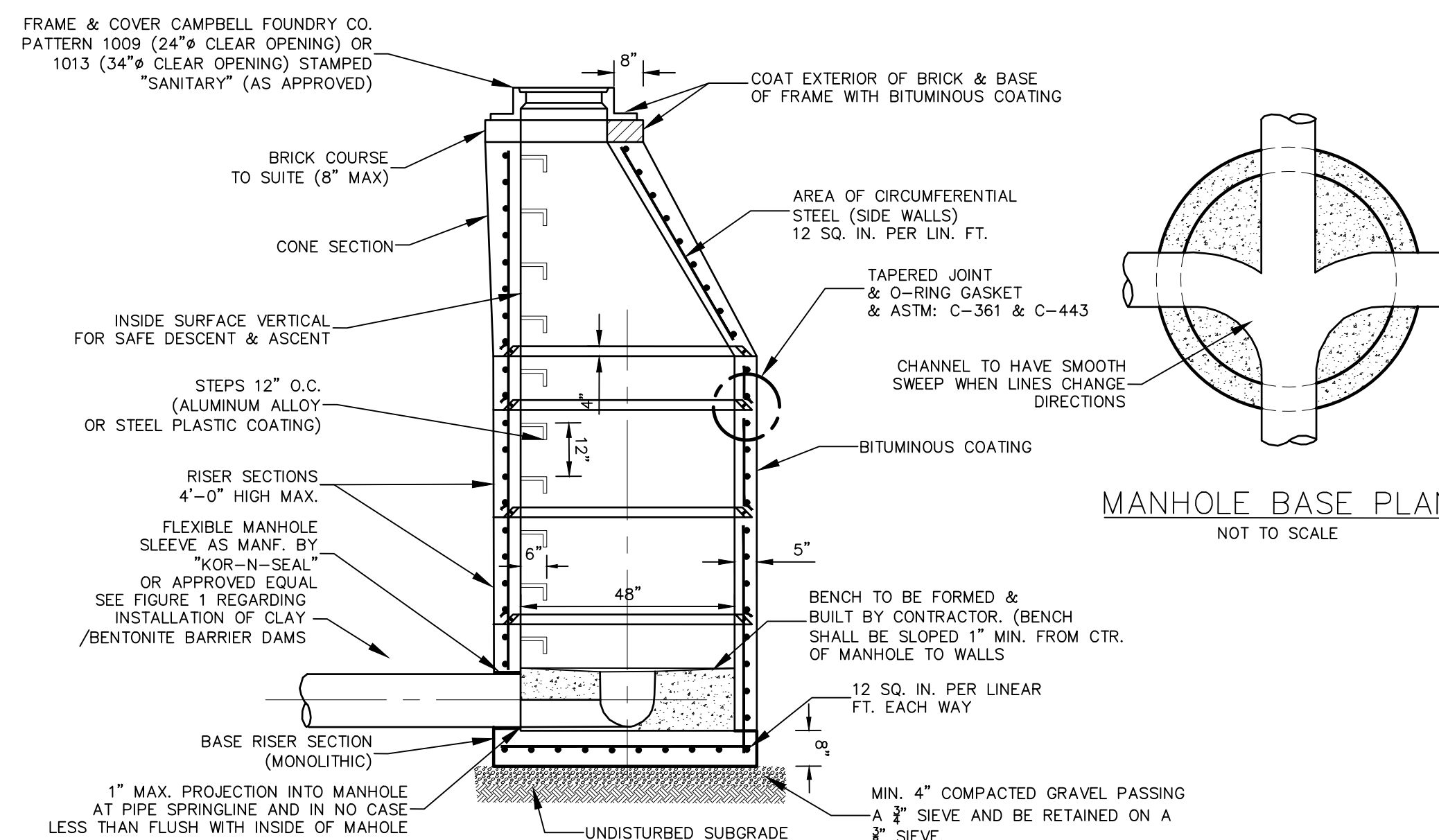
NOT TO SCALE



- NOTES:
1. 4" BUILDING PIPE TO STUB APPROXIMATELY 6" INTO 6" BUILDING LATERAL SEWER.
  2. EACH 4" BUILDING LATERAL SEWER MAY BE APPROVED FOR CONSTRUCTION OF SINGLE (1) AND TWO (2) FAMILY DWELLINGS ONLY.
  3. EACH 6" BUILDING LATERAL SEWER SHALL BE REQUIRED FOR ALL COMMERCIAL USES AND SERVE NO MORE THAN TWELVE (12) EQUIVALENT LIVING UNITS, AS DETERMINED BY OCSD, UNLESS A REQUESTED DEVIATION IS APPROVED IN WRITING BY OCSD NO. 1.
  4. BUILDING PIPE SHALL NOT EXCEED MORE THAN 10' FROM EXTERIOR OF BUILDING FOUNDATION.
  5. 6" BUILDING PIPE TO 6" BUILDING LATERAL SEWER SHALL BE MADE BY INSTALLING A TYPE 1, STYLE 62 DRESSER COUPLING OR DRESSER STYLE 262 HYMAX COUPLING (OR APPROVED EQUAL).

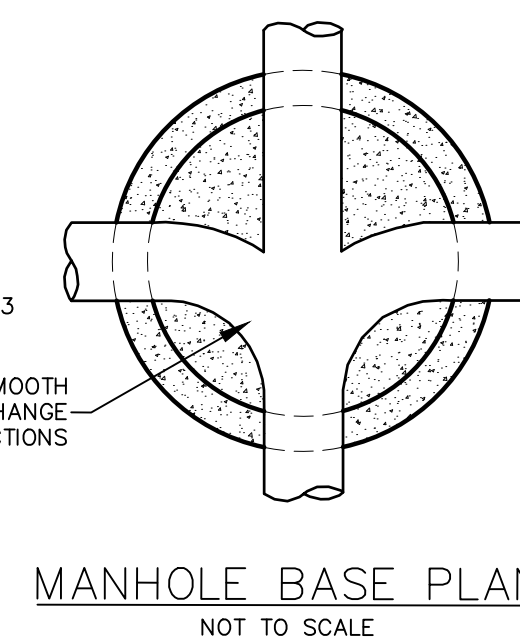
**BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION**

NOT TO SCALE

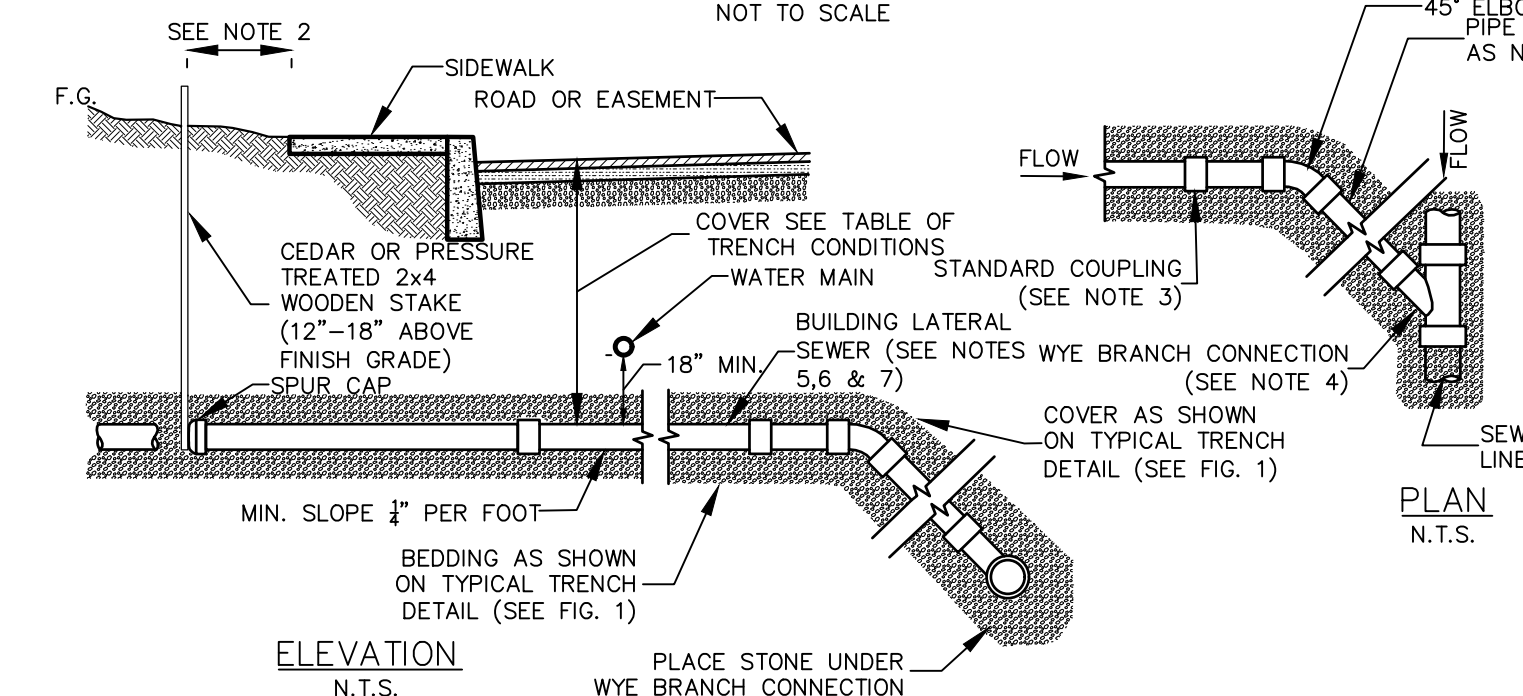


**PRECAST REINFORCED CONCRETE MANHOLE**

- MANHOLE TO MEET CURRENT REQUIREMENTS OF ASTM: C-478
- JOINT: LOCK TYPE WITH ROUND RUBBER GASKETS. THE WEIGHT OF EACH SECTION MUST MAKE AN INFILTRATION PROOF JOINT BY FORCING THE GASKET TIGHT.
- ALL MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF OCSD NO. 1
- MANHOLE TO BE SUITABLE FOR H-20 LOADING
- MANHOLE EXTERIOR MUST BE 100% BITUMINOUS COATED.
- ALL MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS, CONSTRUCTION MATERIALS, DATED 2002 (NEW YORK STATE STANDARD SPECIFICATIONS) WITH ALL ADDENDUMS. ALL FACILITIES MUST BE NEW YORK STATE DEPARTMENT OF TRANSPORTATION APPROVED.



**BUILDING LATERAL SEWER CONNECTION**



**SANITARY SEWER SPECIFICATIONS (FOR BUILDING LATERAL SEWERS AND SEWER MAIN LINE):**

- 1) REQUIRED MAIN LINE SEWER (OR APPROVED EQUAL):
  - A) ABS-TRUSS PIPE:
    - I) PIPE: STAMPED ASTM D2680
    - II) FITTINGS: STAMPED ASTM D2680
    - III) JOINTS: SOLVENT WELD, ASTM D2235
  - B) PVC-TRUSS PIPE:
    - I) PIPE: STAMPED ASTM D2680
    - II) FITTINGS: STAMPED ASTM D2680
    - III) JOINTS: SOLVENT WELD, ASTM D2564 OR ELASTOMERIC (GASKET)
  - C) PVC - SDR 26 HEAVY WALL PIPE:
    - I) PIPE (8" - 15" DIAMETER): STAMPED ASTM D3034. PIPE (18" AND GREATER DIAMETER): STAMPED ASTM F679.
    - II) FITTINGS: STAMPED ASTM D3034 OR F679.
    - III) JOINTS: SOLVENT WELD ASTM D2564 OR ELASTOMERIC GASKET.
  - D) PVC - SDR 35 SOLID WALL PIPE:
    - I) PIPE (8" - 15" DIAMETER): STAMPED ASTM D3034. PIPE (18" AND GREATER DIAMETER): STAMPED ASTM F679.
    - II) FITTINGS: STAMPED ASTM D3034 OR ASTM F679.
    - III) JOINTS: BELL AND SPIGOT WITH ELASTOMERIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.
- II) REQUIRED 4" OR 6" (AS APPROVED) BUILDING LATERAL SEWER (OR APPROVED EQUAL):
  - A) PVC - SDR 35 SOLID WALL PIPE:
    - I) PIPE: STAMPED ASTM D3034 AND SDR 35.
    - II) FITTINGS: STAMPED SDR 35 AND ASTM D3034.
    - III) JOINTS: BELL AND SPIGOT WITH ELASTOMERIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.
  - B) SDR 26 HEAVY WALL PIPE:
    - I) PIPE: STAMPED ASTM D3034 AND SDR 26.
    - II) FITTINGS: STAMPED D3034 AND SDR 26.
    - III) JOINTS: BELL AND SPIGOT WITH ELASTOMERIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.
  - C) SDR 23.5 ABS SOLID WALL PIPE:
    - I) PIPE: STAMPED ASTM D2751 AND SDR 23.5
    - II) FITTINGS: STAMPED SDR 23.5 ASTM D2751
    - III) JOINTS: SOLVENT WELD, ASTM D2235
- III) OTHER REQUIRED PIPE MATERIALS FOR BUILDING LATERAL SEWERS AND SEWER MAIN LINE (OR APPROVED EQUAL):
  - A) CAST IRON, EXTRA HEAVY, COATED, HUB & PLAIN END, ASTM C-74 WITH ELASTOMERIC COMPRESSION GASKET (ASTM C-564)
  - B) DUCTILE IRON PIPE: CLASS 52, CEMENT LINED AND TAR COATED INSIDE AND OUT.

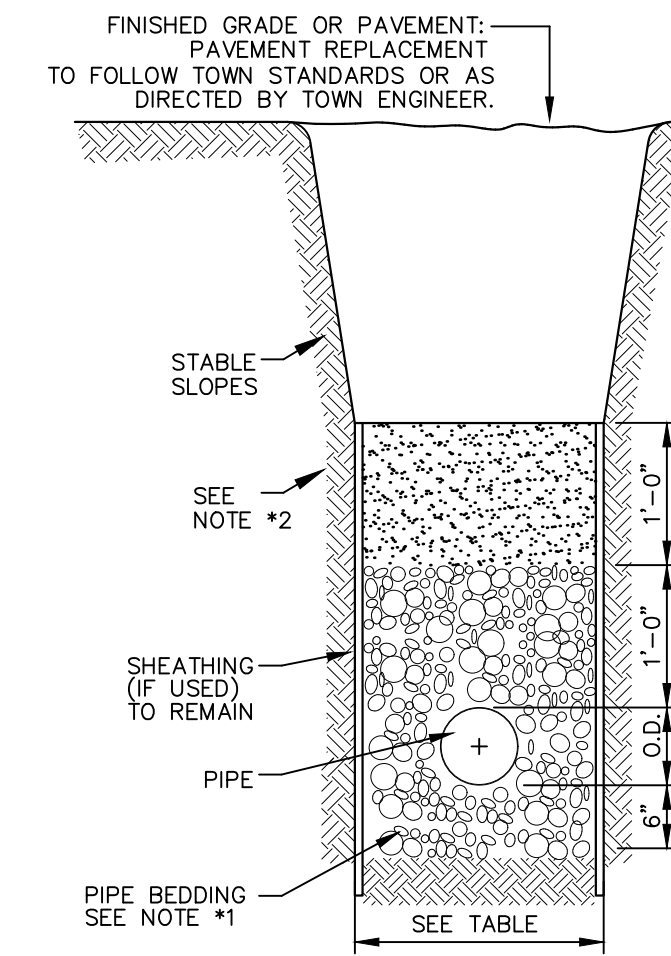
SPECIAL CONDITIONS FOR SHALLOW TRENCH CONDITIONS	
COVER	PIPE
LESS THAN 4'-0"	CLASS 52 DUCTILE IRON OR CAST IRON EXTRA HEAVY OR APPROVED EQUAL

**NOTES:**

1. ALL APPROVED BUILDING LATERAL SEWER PIPE MATERIAL FOR EACH CONNECTION MADE SHALL BE CONSTRUCTED FROM THE SAME MATERIAL.
2. MINIMUM HORIZONTAL SEPARATION BETWEEN SPUR CAP AND SIDEWALK SHALL BE 2'-0". IN ALL CASES THE SPUR CAP LOCATION SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 2'-0" ONTO ALL BUILDING LOT PROPERTIES.
3. TRANSITION BETWEEN DIFFERENT PIPE MATERIAL (AS APPROVED) SHALL BE MADE BY INSTALLING A TYPE 1, STYLE 62 DRESSER COUPLING OR DRESSER STYLE 262 HYMAX COUPLING (OR APPROVED EQUAL).
4. WYE BRANCH CONNECTION SHALL BE A FITTING CONSTRUCTED SPECIFICALLY FOR THE INSTALLED MAIN LINE SEWER MATERIAL CLASS (OR APPROVED EQUAL).
5. THE BUILDINGS LATERAL SEWER SHOWN FROM THE MAIN LINE SOURCE WYE BRANCH CONNECTION FITTING TO THE SPUR CAP SHALL MEET THE SPECIFICATIONS SHOWN FOR II) BUILDING LATERAL SEWER.
6. 4" BUILDING LATERAL SEWER MAY BE APPROVED FOR CONSTRUCTION OF SINGLE (1) AND TWO (2) FAMILY DWELLINGS ONLY. ALL OTHER BUILDING LATERAL SEWERS (INCLUDING ALL COMMERCIAL USES) SHALL BE 6" IN DIAMETER.
7. EACH 6" BUILDING LATERAL SEWER SHALL PROVIDE SERVICE FOR NO MORE THAN TWELVE (12) EQUIVALENT LIVING UNITS, AS DETERMINED BY OCSD NO. 1, UNLESS A REQUESTED DEVIATION IS APPROVED IN WRITING BY OCSD NO. 1.

**TRENCH NOTES:**

1. PIPE BEDDING SHALL BE A CLASS 1 ASTM ASTM D3221 EMBODIMENT MATERIAL THAT SHALL BE EITHER CRUSHED STONE OR WASHED GRAVEL PASSING A 3/4 INCH SIEVE AND RETAINED ON A 3/8 INCH SIEVE. THE EMBODIMENT MATERIAL SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY OF THE EMBODIMENT MATERIAL AS DETERMINED BY THE STANDARD PROCTOR TEST IN ACCORDANCE WITH AASHTO DESIGNATION T-99. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A GO-NO-GO TESTING GAUGE, AS DEFINED IN THE GREEN-TITE (TRADEMARK) PVC GRAVITY SEWER PIPE INSTALLATION GUIDE AS PUBLISHED BY J-M PIPE (OR APPROVED EQUAL) FOR TESTING DEFLECTION OF MAIN LINE SEWER PIPE. MAXIMUM MAIN LINE SEWER DEFLECTION SHALL BE NO GREATER THAN 5%.
2. BACKFILL FROM 12" TO 24" ABOVE THE PIPE SHALL BE FINE EARTH, FREE FROM CINDERS AND SHALL BE MECHANICALLY COMPACTED. REMAINING BACKFILL SHALL BE FREE FROM LARGE CLODS, ROCKS, AND CINDERS.
3. PLACE EMBEDMENT MATERIAL BY HAND. HAND COMPACT UNDER AND AROUND SIDES OF PIPE. PLACE EMBEDMENT MATERIAL IN 6" LAYERS ABOVE TOP OF PIPE, AND HAND COMPACT TO A POINT 12" MINIMUM ABOVE THE TOP OF PIPE.
4. THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPETENT PERSON DURING ALL PHASES OF CONSTRUCTION WHOSE DUTY SHALL BE TO INSURE THAT ALL PHASES OF CONSTRUCTION ARE IN FULL COMPLIANCE WITH THESE PLANS & SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES, RULES, REGULATIONS AND LAWS INCLUDING, BUT NOT LIMITED TO UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND NEW YORK STATE DEPARTMENT OF LABOR FOR OSHA SECTION 1910.146 PERMIT REQUIRED CONFINED SPACE ENTRY, OSHA SECTION 1926.650 EXCAVATION GENERAL PROTECTION REQUIREMENTS AND OSHA SECTION 1926.651 TRENCHING AND SHORING, STATE OF NEW YORK UNIFORM FIRE PREVENTION AND BUILDING CODES AND NATIONAL FIRE PROTECTION ASSOCIATION CODES.
5. ALL APPROVED MAIN LINE SEWER PIPE SHALL BE THE SAME MATERIAL FROM MANHOLE TO MANHOLE.
6. FILL SECTION AREA MUST BE GRADED WITH THE PLACEMENT OF SUITABLE SOIL MATERIAL AS DETERMINED BY THE PROJECT SITE ENGINEER, IN 12" (MAX.) LAYERS COMPACTED TO 95% OF THE MAXIMUM DENSITY OF THE SOIL AS DETERMINED BY THE STANDARD PROCTOR TEST (AASHTO DESIGNATION T-99) TO 2'-0" (MIN.) ABOVE TOP OF PIPE AT A MIN. WIDTH OF O.D. + 4" BEFORE TRENCH EXCAVATING. (ANY FILL SECTION AREA THAT DOES NOT CONFORM TO THIS FILL SECTION AREA COMPACTION STANDARD SHALL REQUIRE THE INSTALLATION OF CLASS 52 DIP TAR COATED INSIDE AND OUT, FROM MANHOLE TO MANHOLE FOR SEWER MAINS AND ALONG THE ENTIRE SURFACE LINE RUN FOR BUILDING LATERAL SEWERS.)
7. WHERE ROCK IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT MUST BE MADE BETWEEN 12" MIN. TO 24" MAX.
8. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT TO SUITABLE MATERIAL (AS APPROVED BY ENGINEER).



PIPE O.D.	MIN. TRENCH WIDTH
24" AND SMALLER	O.D + 1'-4"
30" AND LARGER	O.D + 2'-0"

**TYPICAL TRENCH DETAIL**

NOT TO SCALE

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SITE PLAN & SUBDIVISION FOR  
**VALLEY HEIGHTS**  
 VILLAGE OF SOUTH BLOOMING GROVE  
 ORANGE COUNTY, NY

**SEWAGE DISPOSAL DETAILS**

JOB#: 22-033  
 SCALE: AS NOTED  
 DATE: 01-14-25  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO: 28 of 29

REV.	BY	DATE	DESCRIPTION

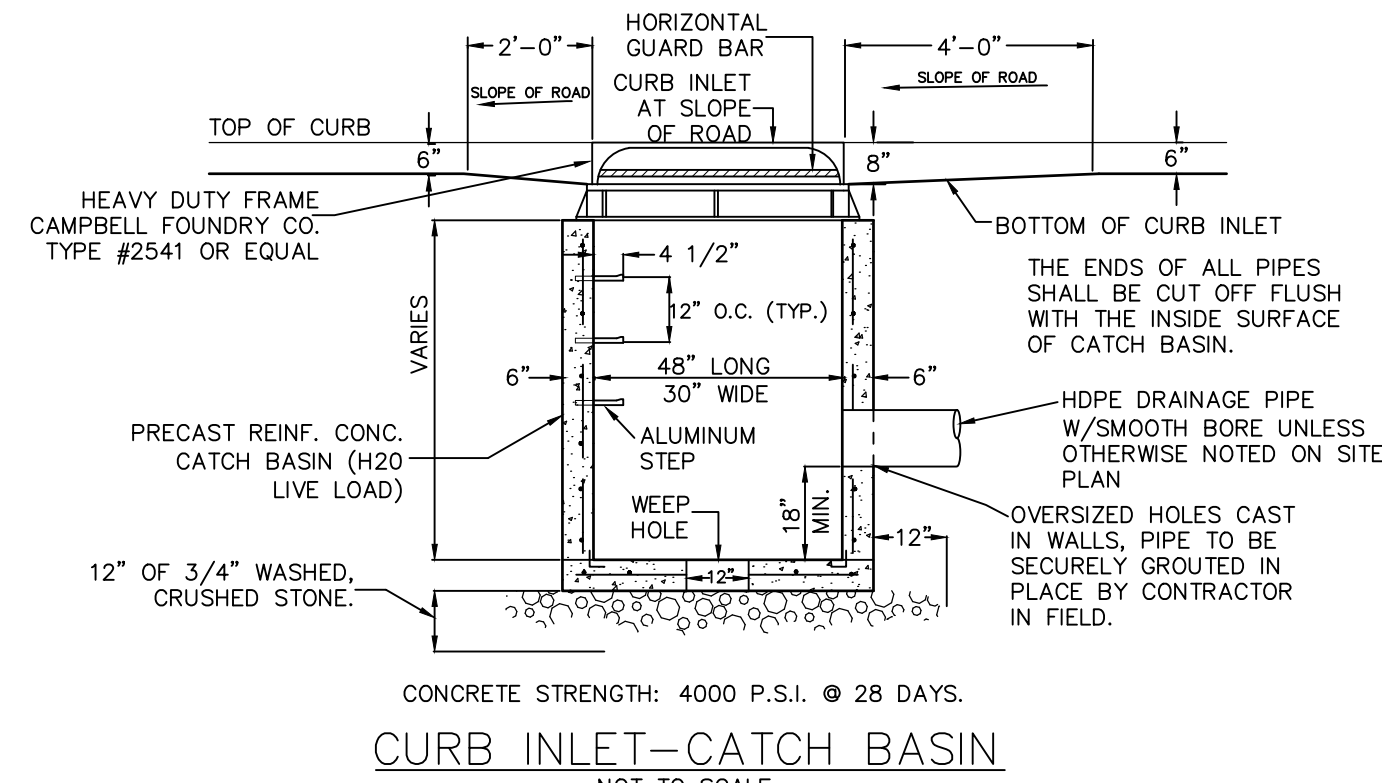
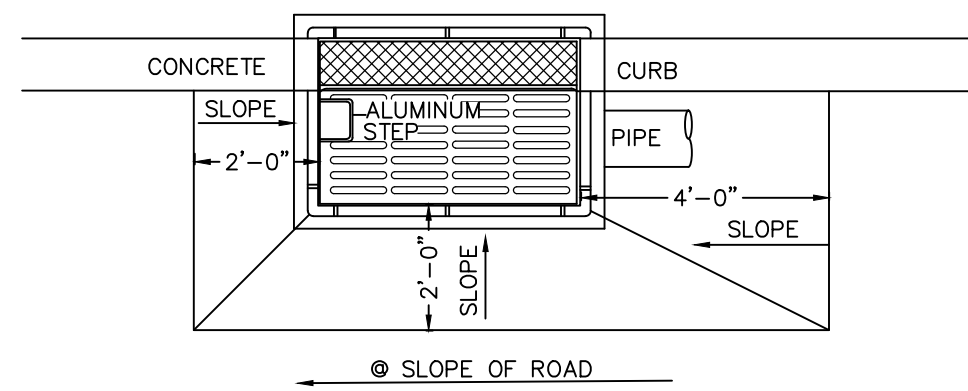
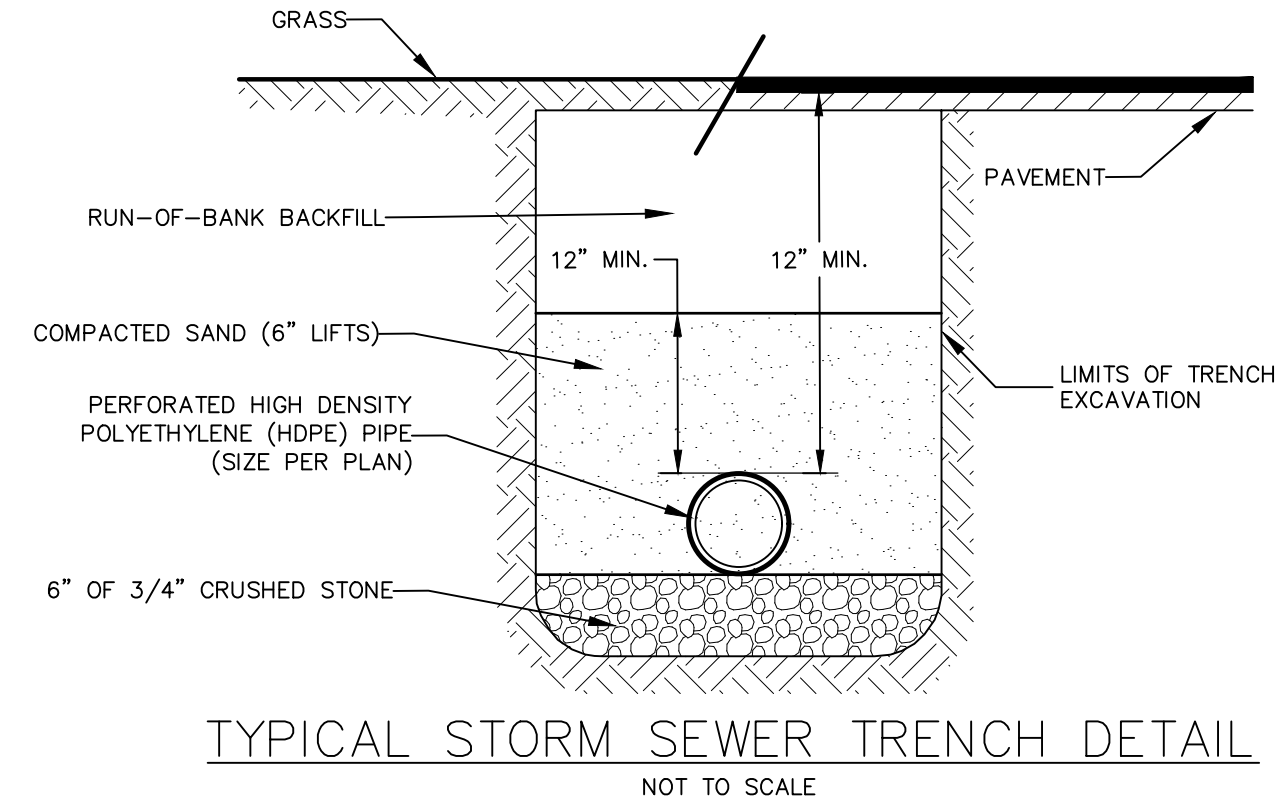
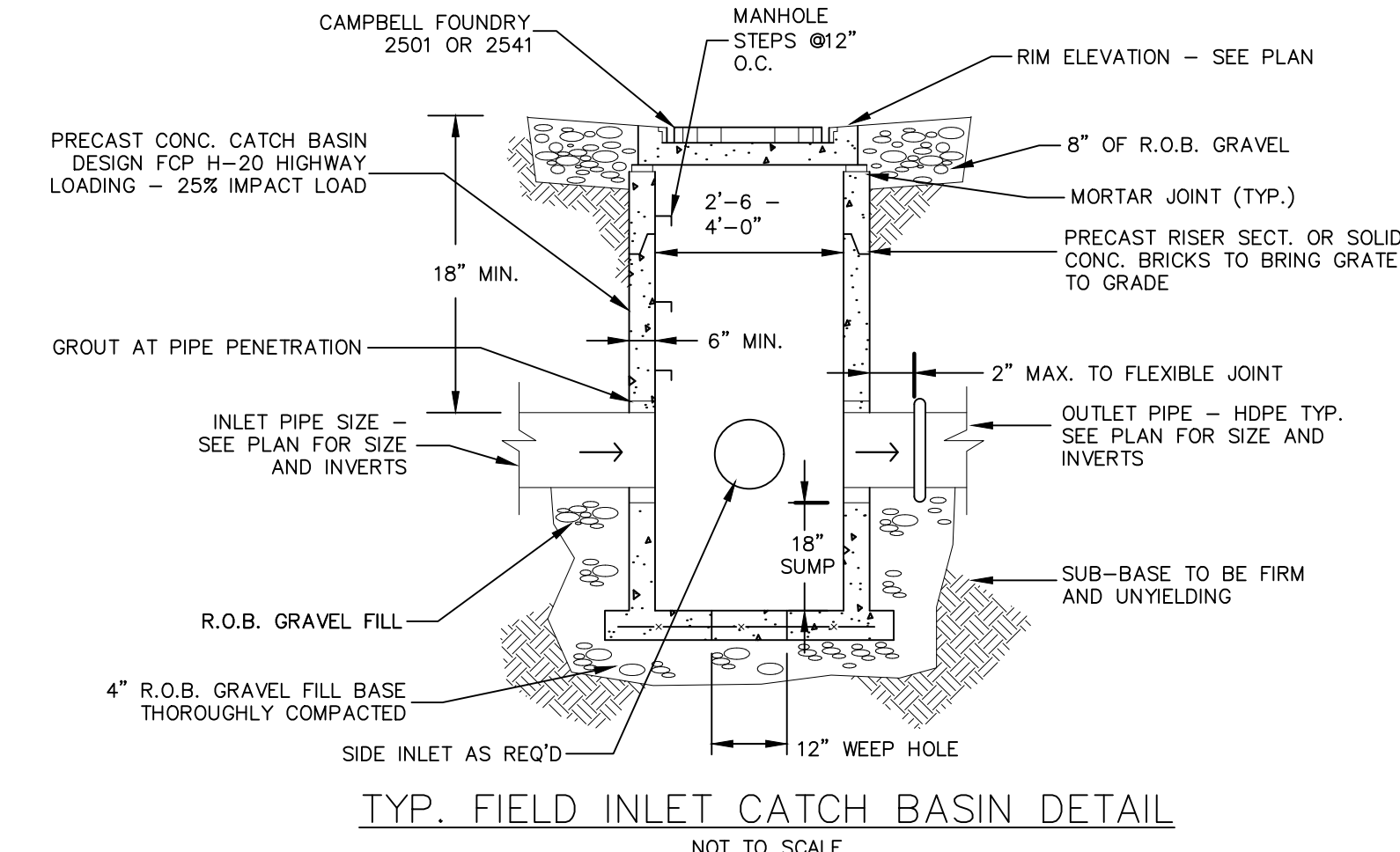
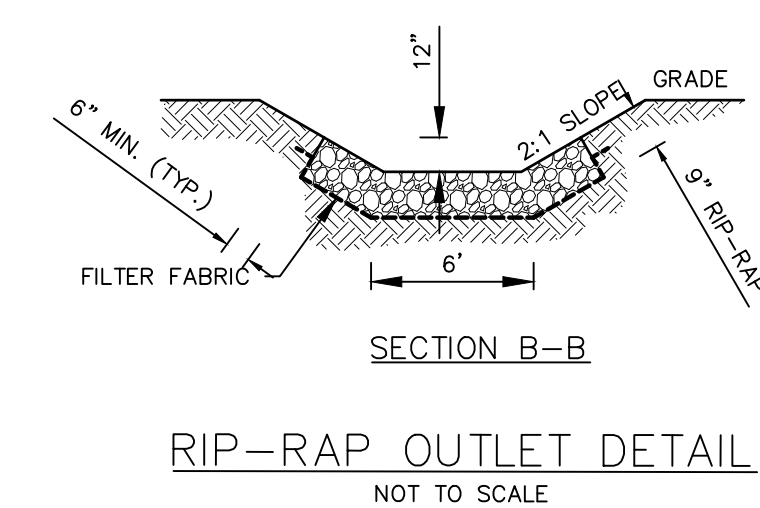
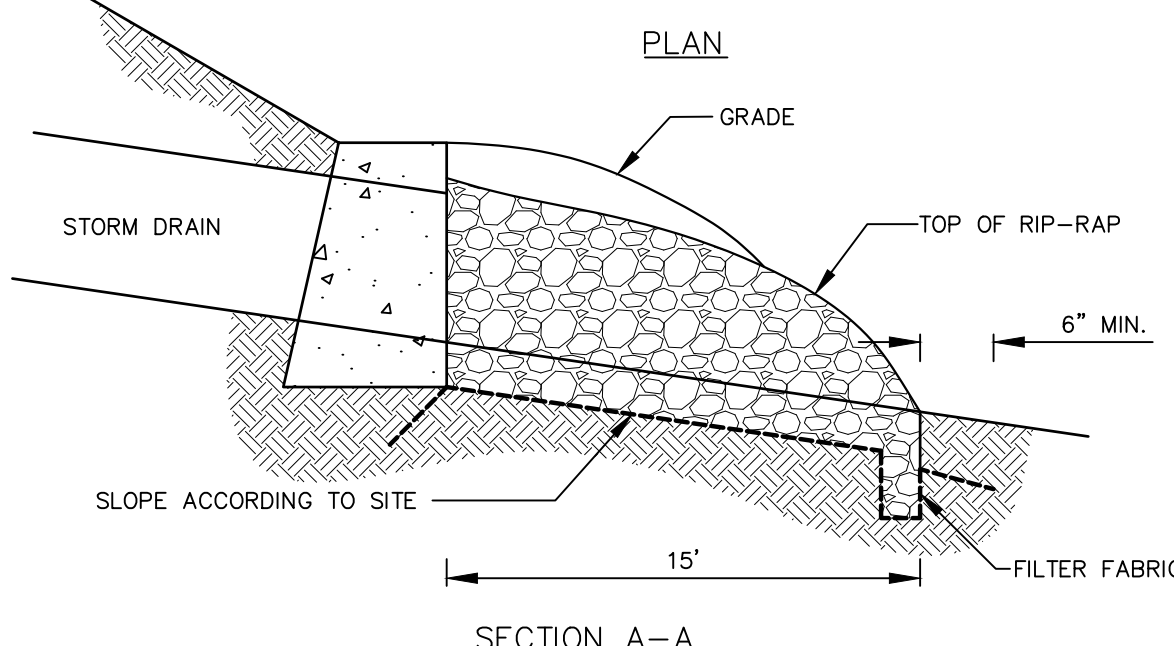
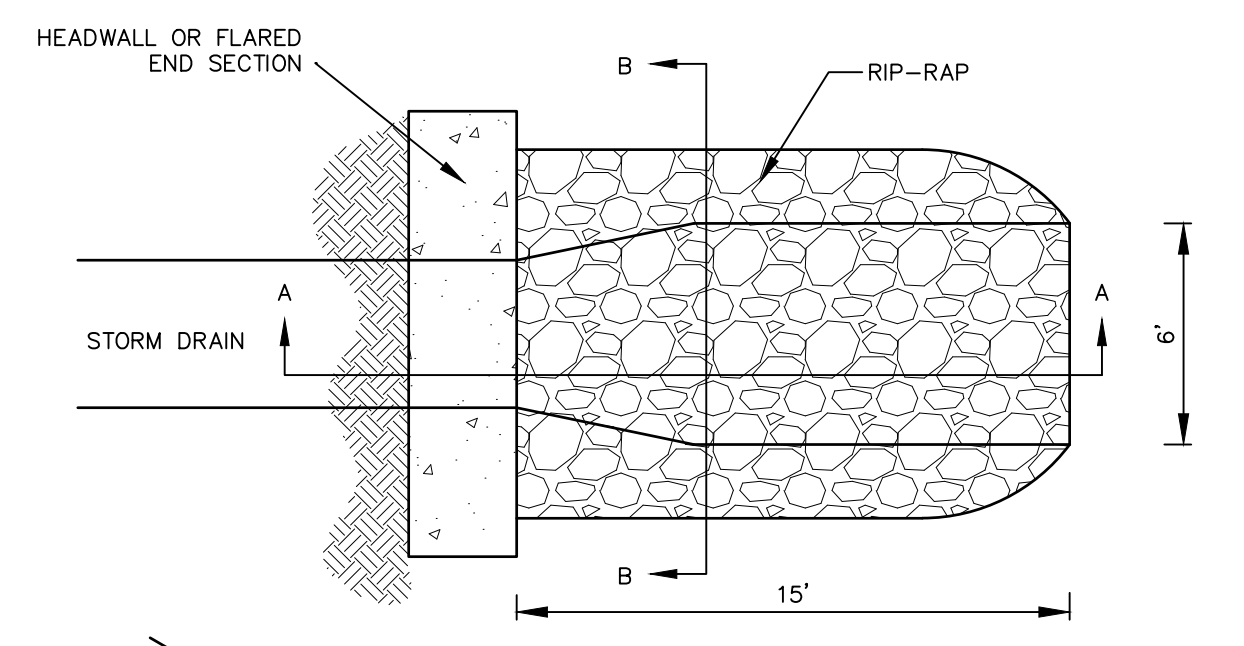
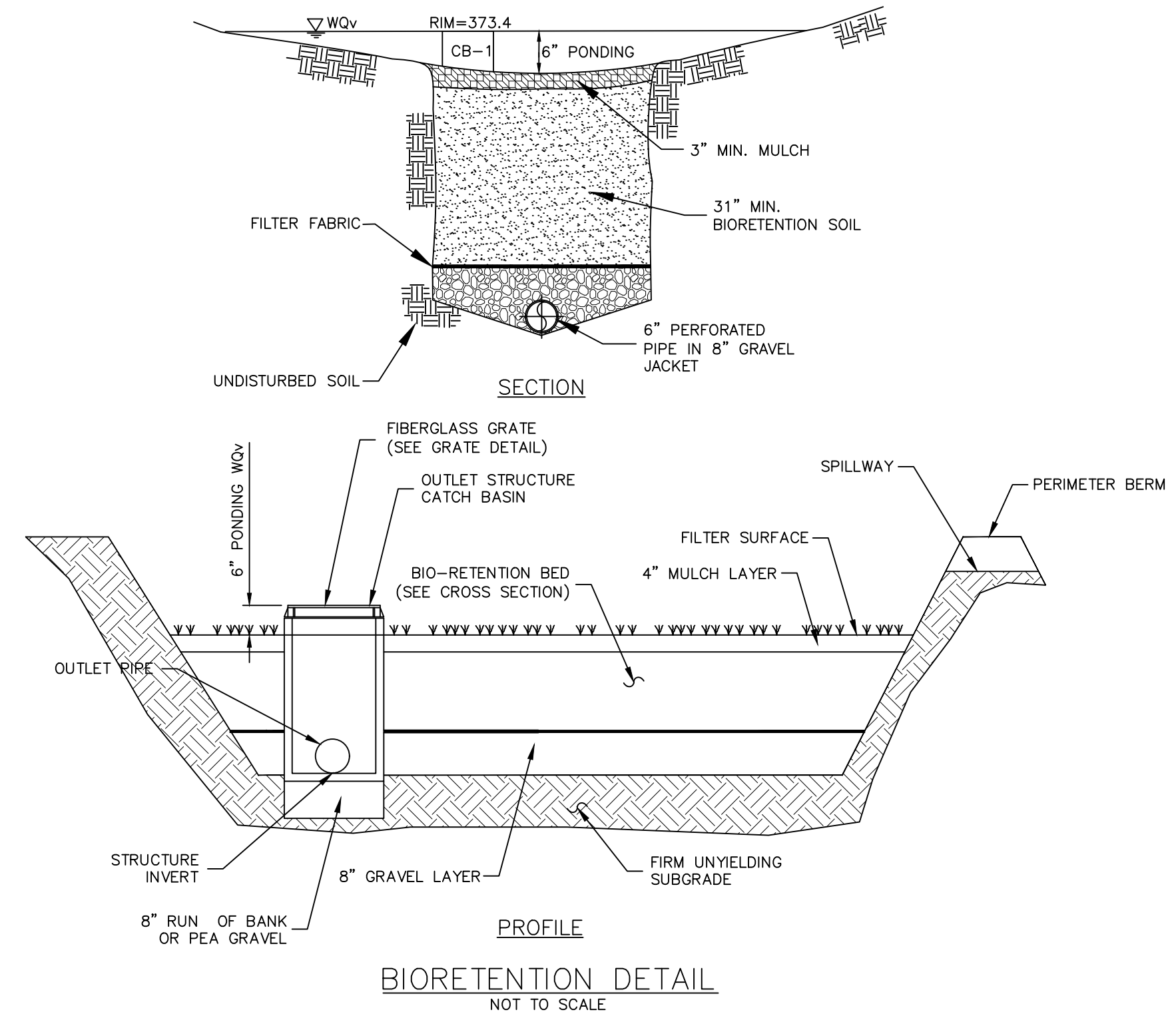
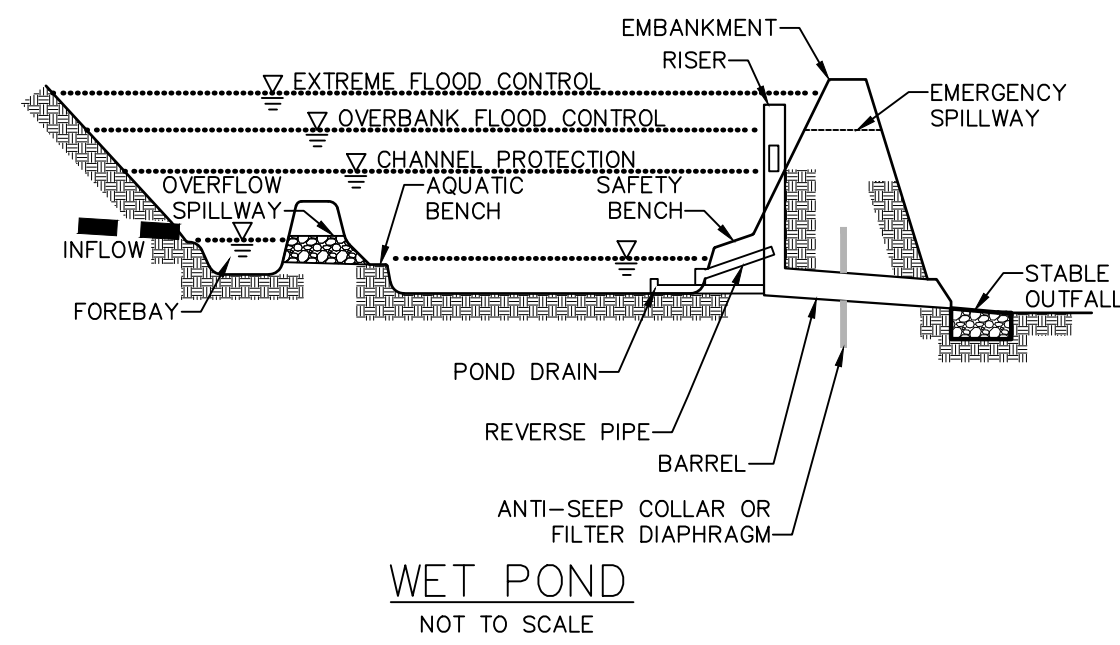
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CONCRETE STRENGTH: 4000 P.S.I. @ 28 DAYS.

NOTES:  
 1. RETAINER GLANDS ARE REQUIRED ON ALL FITTINGS IN ADDITION TO THE RODS AND THRUST BLOCKS.  
 2. ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE BACKFILLED FULL DEPTH WITH RUN-OF-BANK GRAVEL.  
 ALL UTILITIES TO BE DEDICATED TO THE TOWN SHALL MEET TOWN OF WALLKILL SPECIFICATIONS.

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SITE PLAN & SUBDIVISION FOR <b>VALLEY HEIGHTS</b> VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, NY	JOB#: 22-033 SCALE: AS NOTED DATE: 01-14-25 DRAWN: MM CHECKED: MM SHEET NO. 28 of 29
<b>STORMWATER DETAILS</b>	

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